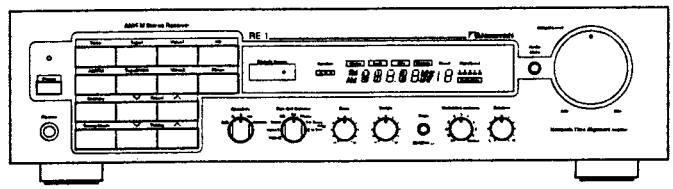
129

# Service Manual

# RE-1

## AM/FM Stereo Receiver



Nakamichi

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# 1. GENERAL

**Reference Service Manual**
The base Model of RE-1 is Receiver 1. In this Service Manual, identical sections/items are omitted. So, please refer to the Service Manual of Receiver 1 (0Q06136A).

### 1.1. Product Code
D119

### 1.2. Destinations
USA, CAN

Abbreviation
USA — U.S.A.
CAN — Canada

### 1.3. Cautions/Warnings
**(1) Product Safety Notice**
Parts marked with the symbol ⚠ in the schematic diagram have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

**(2) Leakage Current Check/Resistance Check**
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.
WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

**(3) Lithium Battery Caution**
Use ONLY replacement parts recommended by the manufacturer. Replacement must be done only by qualified service personnel because of risk for explosion.

**VARNING**
Litiumbatteri. Explosionsfara vid felaktig hantering. Byte får endast ske av sakkunnig personal enligt servicedokumentationens anvisningar.

**ADVARSEL!**
Lithiumbatterier. Eksplosionsfare. Udskiftning må kun foretages af en sagkyndig og som beskrevet i servicemanualen.
batterierne kun må udskiftes med batterier af samme fabrikat og type.

**(4) Resetting the MPU After Repair**
When the RE-1 does not work properly with the button operation after repair or after replacing the battery (the display shows abnormal indication), reset the Microprocessing Unit (MPU) U001 (uPD75208CW-A77) on the Front P.C.B. Ass'y as follows:
1. With the power turned ON, press the Reset switch S016 on the Front P.C.B. Ass'y. See Fig. 3.14.
2. Since the memory contents are cleared, reset them again.

## 1.4. Package Ass'y

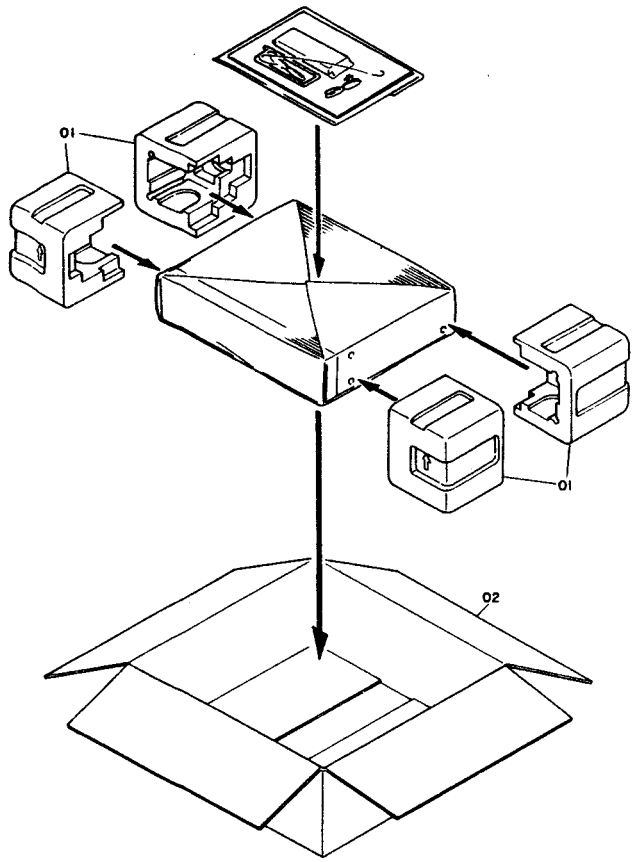
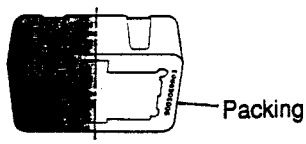
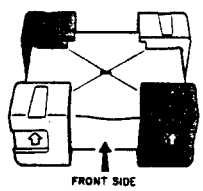



Fig. 1.1




Break each packing into 2 pcs, and mount them as follows:




| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| | — | **Package Ass'y** | |
| 01 | 0N00052A | Packing | 2 |
| 02 | 0F04720A | Carton Box | 1 |
| — | 0C85457A | Soft Sheet | 1 |

## 1.5. Accessory Ass'y

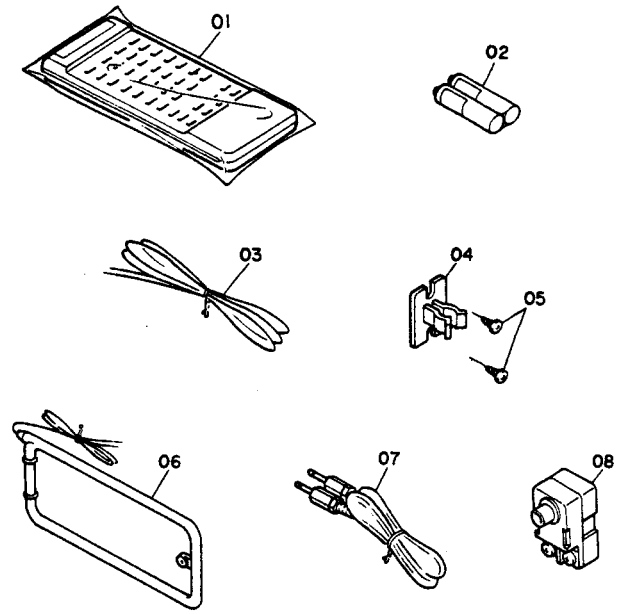



Fig. 1.2

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| | **CB00092A** | **Accessory Ass'y** | **1** |
| 01 | HA06495A | Remote Control Ass'y | 1 |
| 02 | 0B90341A | Battery AA Type x 2 | 1 |
| 03 | 0B90320A | Feeder Antenna | 1 |
| 04 | 0B90319A | Loop Antenna Holder | 1 |
| 05 | 0E03659A | 3x12 + Tapping (Black Chromate) | 2 |
| 06 | 0C85374A | Loop Antenna | 1 |
| 07 | 0C85415A | Remote Control Cable | 1 |
| 08 | 0C85555A | Antenna Adapter S-U5025 | 1 |
| — | 0D06419C | Owner's Manual (English) | 1 |
| — | 0D06420C | Owner's Manual (French) | 1 |

# 2. MECHANISM ASS'Y AND PARTS LIST

## 2.1. Synthesis

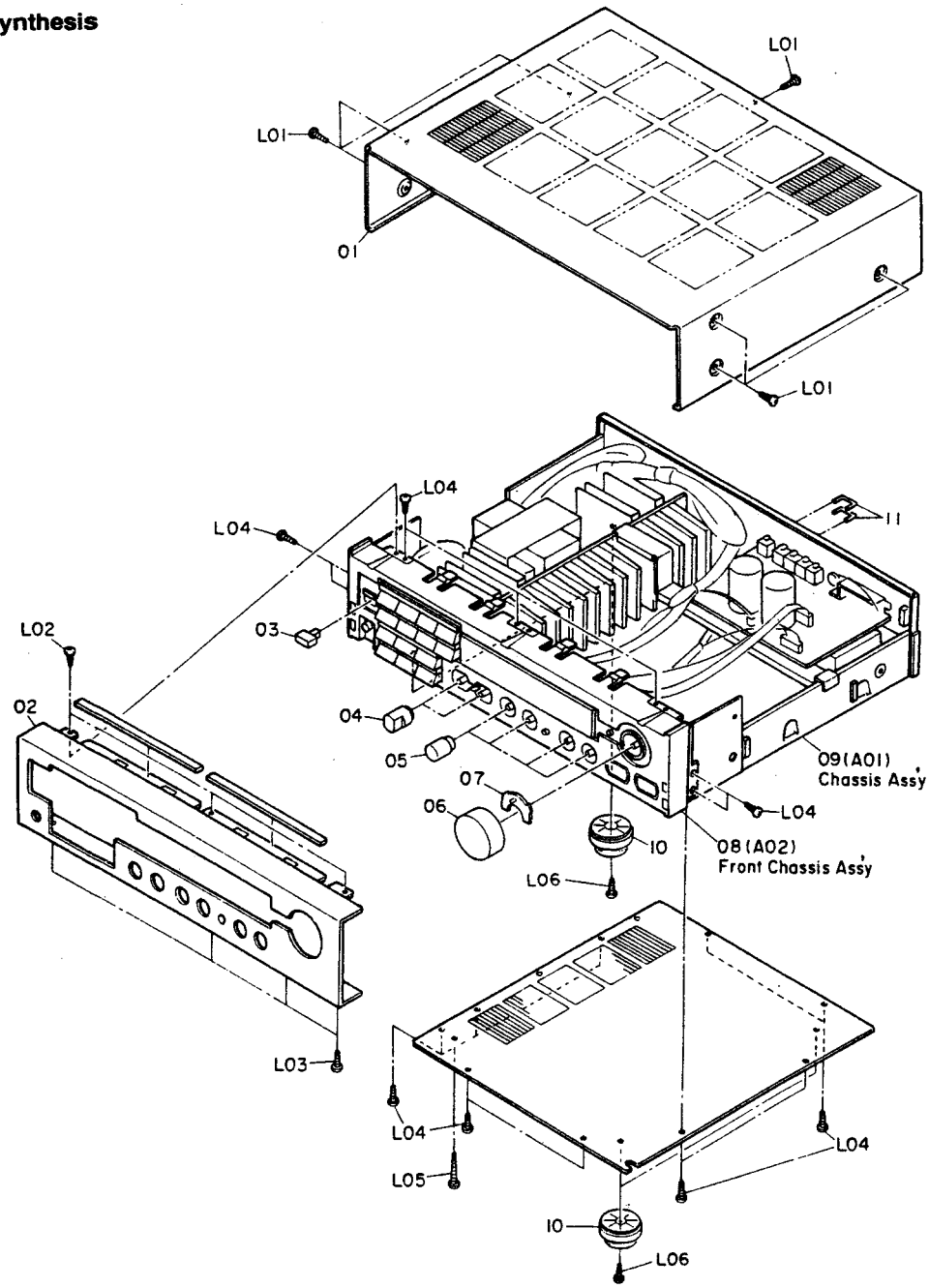



Fig. 2.1

### 2.1. Synthesis

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| | — | **Synthesis** | |
| 01 | 0C85459B | Top Cover | 1 |
| 02 | 0H06457A | Front Panel | 1 |
| 03 | 0H06418A | Power Knob | 1 |
| 04 | HA06503A | Volume Knob Ass'y DR | 2 |
| 05 | HA06502A | Volume Knob CDR Ass'y | 4 |
| 06 | HA06574A | Master Volume Ass'y | 1 |
| 07 | CB00031A | Volume LED P.C.B. Ass'y | 1 |
| 08 | — | Front Chassis Ass'y | 1 |
| 09 | — | Chassis Ass'y | 1 |
| 10 | 0H06472A | Leg | 4 |
| 11 | 0J05710A | Shorting Pin | 2 |
| L01 | 0E03433A | BT3x6 + Binding Projected (Black Chromate) | |
| L02 | 0E00868A | BT3x8 + Binding | |
| L03 | 0E00948A | BT3x10 + Binding (Black Chromate) | |
| L04 | 0E00857A | BT3x6 + Binding | |
| L05 | 0C85577A | BT3x16 + Binding (Tapping) | |
| L06 | 0E03217A | BT4x8 + Binding | |

## 2.2. Chassis Ass'y (A01)

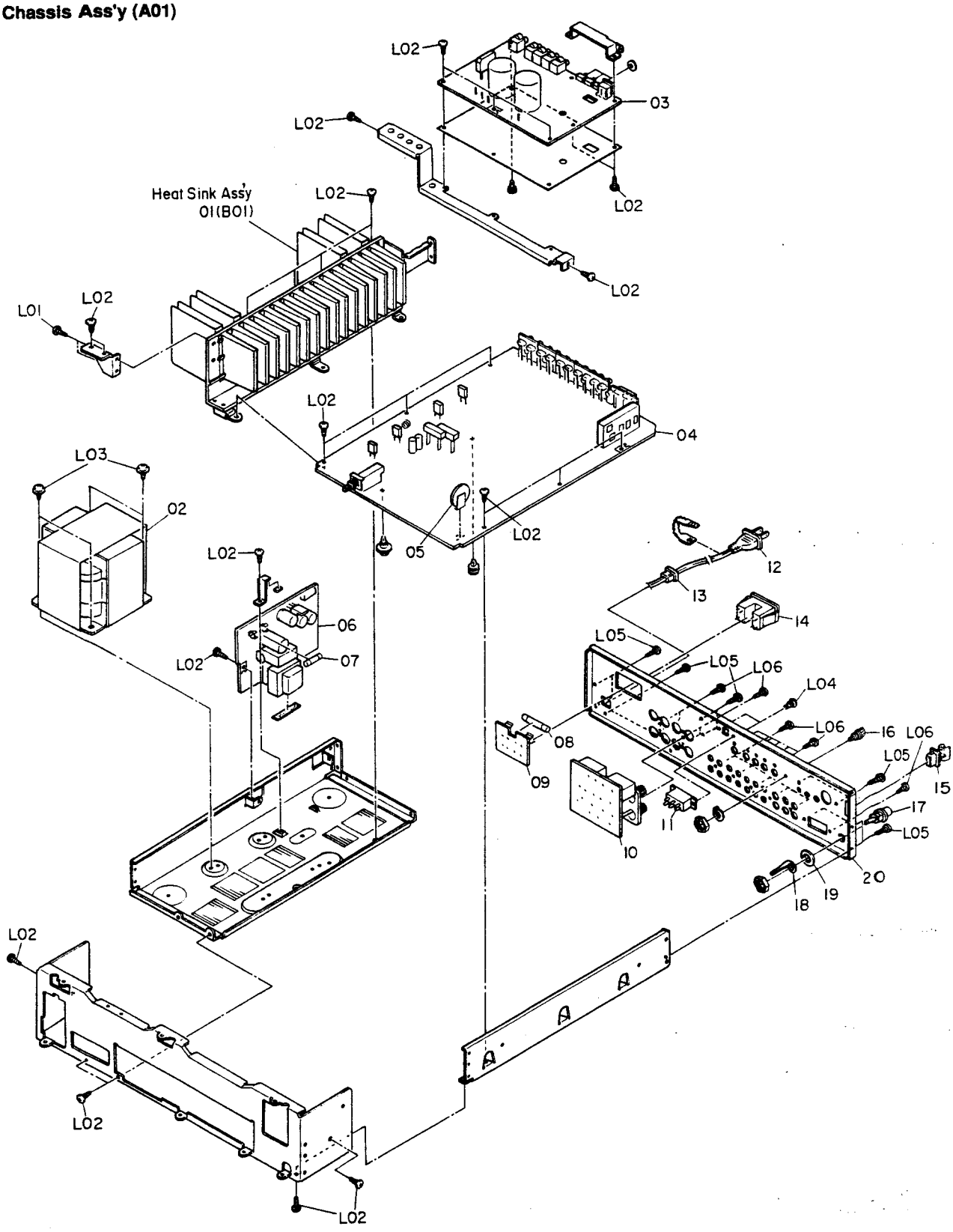



Fig. 2.2

## 2.3. Front Chassis Ass'y (A02)

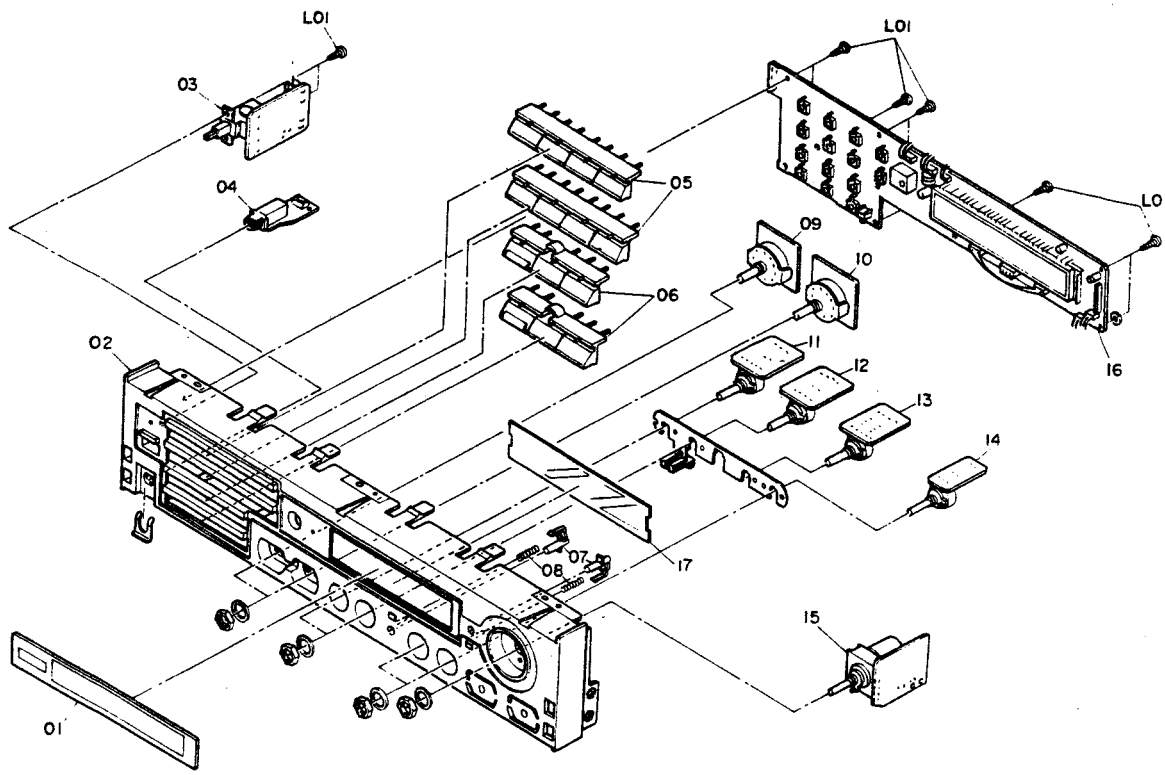



Fig. 2.3

### 2.2. Chassis Ass'y (A01)

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| **A01** | — | **Chassis Ass'y** | 1 |
| 01 | — | Heat Sink Ass'y | 1 |
| 02 | 0L00184A | Power Transformer | 1 |
| 03 | CB00069A | System Remote P.C.B. Ass'y | 1 |
| 04 | CB00027A | Main P.C.B. Ass'y | 1 |
| 05 | 0B90200B | Lithium Battery | 1 |
| 06 | CB00038A | Power Supply P.C.B. Ass'y | 1 |
| 07 | 0B90345A | Fuse T0.5A/250V | 1 |
| 08 | 0B90348A | Fuse 5A 250V | 1 |
| 09 | CB00041A | AC Outlet P.C.B. Ass'y | 1 |
| 10 | CB00039A | Speaker Terminal P.C.B. Ass'y | 1 |
| 11 | 0N00053A | Speaker Select Switch | 1 |
| 12 | 0L00185A | AC Power Cord | 1 |
| 13 | 0B90280A | Cord Bushing | 1 |
| 14 | 0B81928A | AC Outlet | 1 |
| 15 | 0B90316A | AM Antenna Holder | 1 |
| 16 | JA04383A | Ground Terminal Ass'y | 1 |
| 17 | 0C09584A | Antenna Socket F | 1 |
| 18 | 0C85442A | Lug Terminal | 1 |
| 19 | 0C85445A | Ground Washer | 1 |
| 20 | 0H06527A | Rear Panel | 1 |
| L01 | 0E00868A | BT3x8 + Binding | |
| L02 | 0E00857A | BT3x6 + Binding | |
| L03 | 0C85421A | ST4x6 + Binding Washer-Faced | |
| L04 | 0L00057A | Plastic Rivet 3x5.5 | |
| L05 | 0E00860A | BT3x6 + Binding (Black Chromate) | |
| L06 | 0N00066A | PT3x10 + Binding (Black Chromate) | |

### 2.3. Front Chassis Ass'y (A02)

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| **A02** | — | **Front Chassis Ass'y** | 1 |
| 01 | HA06567B | Display Lens R Ass'y | 1 |
| 02 | 0H06450B | Front Chassis | 1 |
| 03 | CB00042A | Power Switch P.C.B. Ass'y | 1 |
| 04 | CB00040A | Headphone P.C.B. Ass'y | 1 |
| 05 | 0H06440B | Control Knob 4R | 2 |
| 06 | 0H06441B | Control Knob 3R | 2 |
| 07 | 0H06447B | Push Knob | 2 |
| 08 | 0J06253A | Push Knob Spring | 1 |
| 09 | CB00032A | Speaker Selector P.C.B. Ass'y | 1 |
| 10 | CB00030A | Record Selector P.C.B. Ass'y | 1 |
| 11 | CB00035A | Bass P.C.B. Ass'y | 1 |
| 12 | CB00036A | Treble P.C.B. Ass'y | 1 |
| 13 | CB00033A | Loudness P.C.B. Ass'y | 1 |
| 14 | CB00034A | Balance P.C.B. Ass'y | 1 |
| 15 | CB00043A | Motor Volume P.C.B. Ass'y | 1 |
| 16 | CB00029A | Front P.C.B. Ass'y | 1 |
| 17 | HA06570A | Filter RE Ass'y | 1 |
| L01 | 0C85416A | PT3x8 + Binding | |

## 2.4. Heat Sink Ass'y (B01)

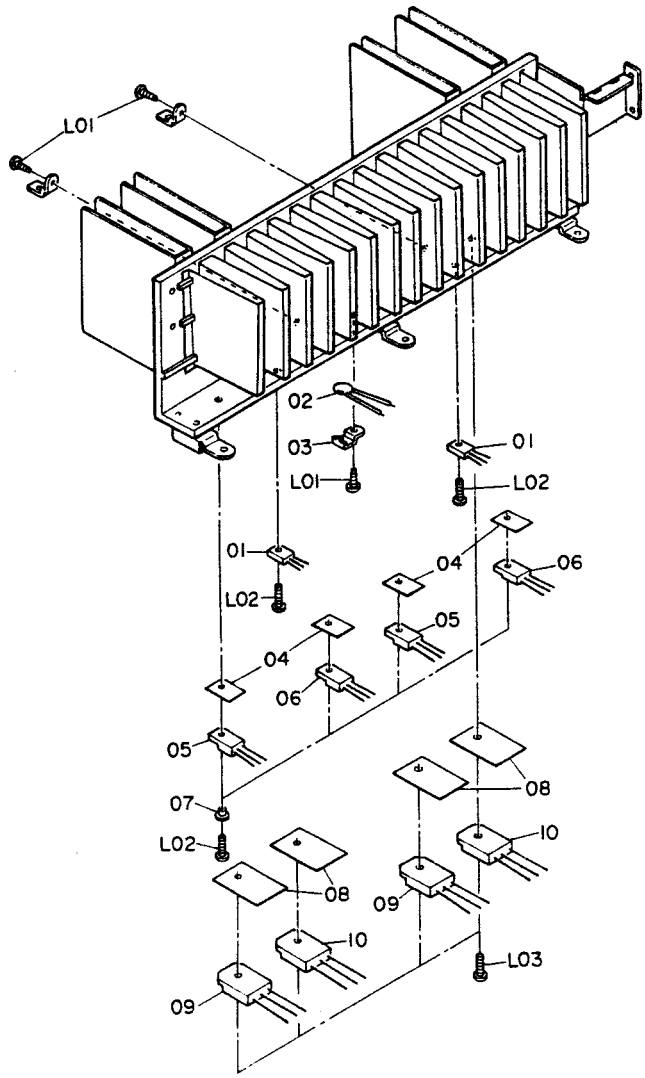



Fig. 2.4

**2.4. Heat Sink Ass'y**

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| **B01** | — | **Heat Sink Ass'y** | 1 |
| 01 | 0B10199A | Transistor 2SC3421 [Q306L,R] | 2 |
| 02 | 0B19607A | Thermistor 50KD-5 [TH-301] | 1 |
| 03 | 0J05615A | TH Holder | 1 |
| 04 | 0J05672B | Insulator SIL TO-220 | 4 |
| 05 | 0B10292A | Transistor 2SC2167 [Q307L,R] | 2 |
| 06 | 0B10293A | Transistor 2SA957 [Q308L,R] | 2 |
| 07 | 0B08594A | Transistor Bush TO-220 | 4 |
| 08 | 0J05671A | Insulator SIL | 4 |
| 09 | 0B10250A | Transistor 2SC3856 [Q309L,R] | 2 |
| 10 | 0B10294A | Transistor 2SA1492 [Q310L,R] | 2 |
| L01 | 0E00868A | BT3x8 + Binding | |
| L02 | 0E00986A | M3x10 + Binding | |
| L03 | 0E00994A | M3x12 + Binding | |

# 3. MOUNTING DIAGRAMS AND PARTS LIST

## 3.1. AC Outlet P.C.B. Ass'y

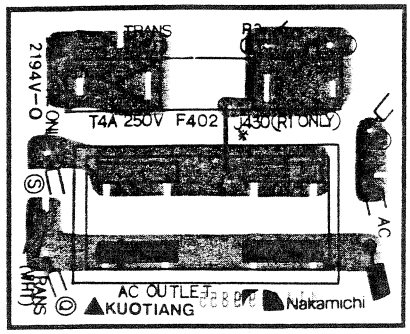



Fig. 3.1

## 3.2. Power Switch P.C.B. Ass'y

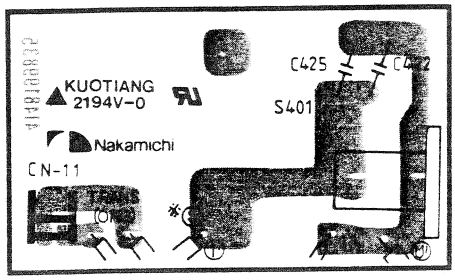



Fig. 3.2

## 3.3. Headphone P.C.B. Ass'y

Fig. 3.3

## 3.4. Treble P.C.B. Ass'y

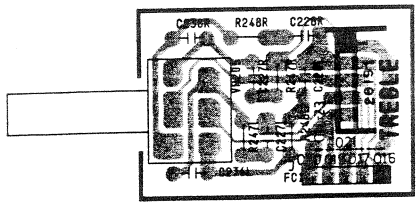



Fig. 3.4

## 3.5. Bass P.C.B. Ass'y

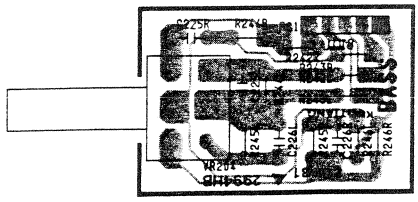



Fig. 3.5

## 3.6. Balance P.C.B. Ass'y

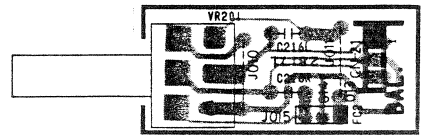



Fig. 3.6

## 3.7. Volume LED P.C.B. Ass'y

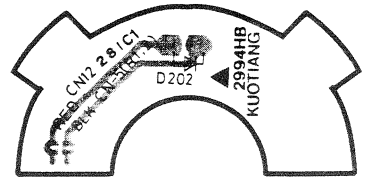



Fig. 3.7

## 3.8. Loudness P.C.B. Ass'y

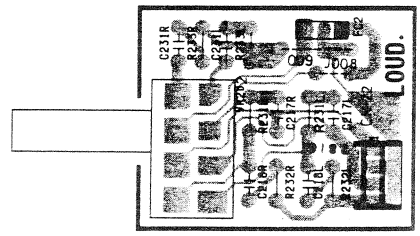



Fig. 3.8

## 3.9. Motor Volume P.C.B. Ass'y

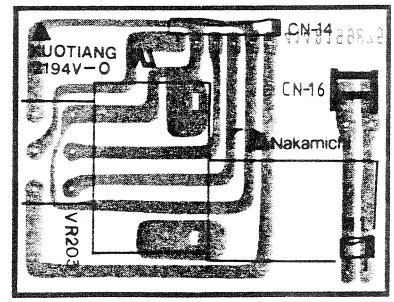



Fig. 3.9

## 3.10. Speaker Selector P.C.B. Ass'y

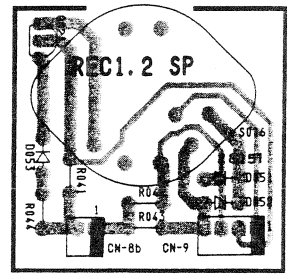



Fig. 3.10

### 3.11. Record Selector P.C.B. Ass'y

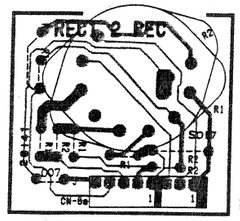



Fig. 3.11

### 3.12. Speaker Terminal P.C.B. Ass'y

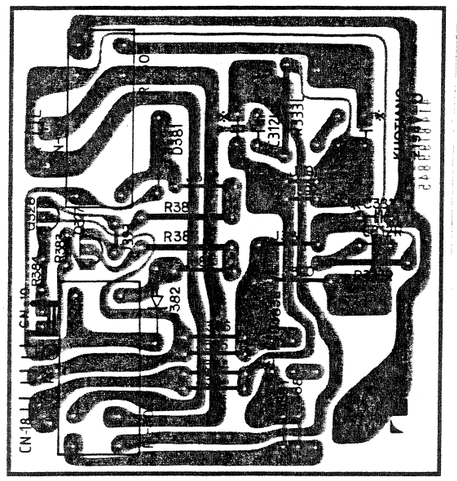



Fig. 3.12

### 3.13. Power Supply P.C.B. Ass'y

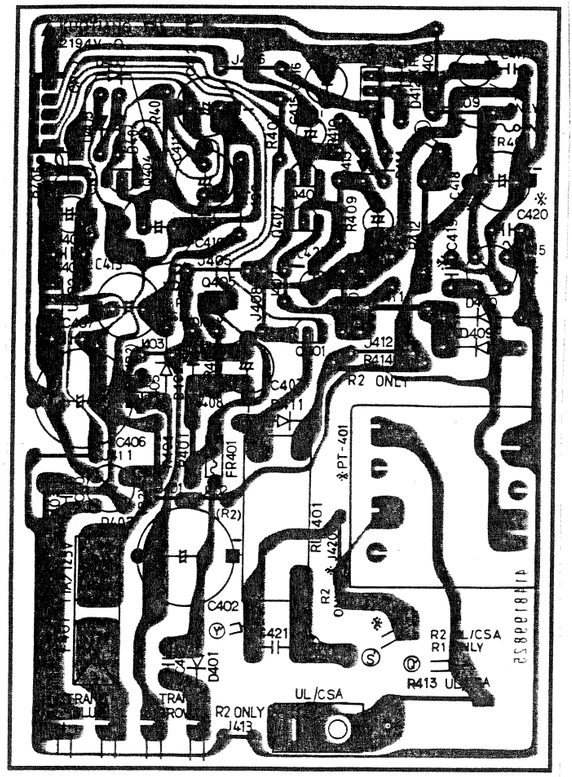



Fig. 3.13

### 3.14. Front P.C.B. Ass'y

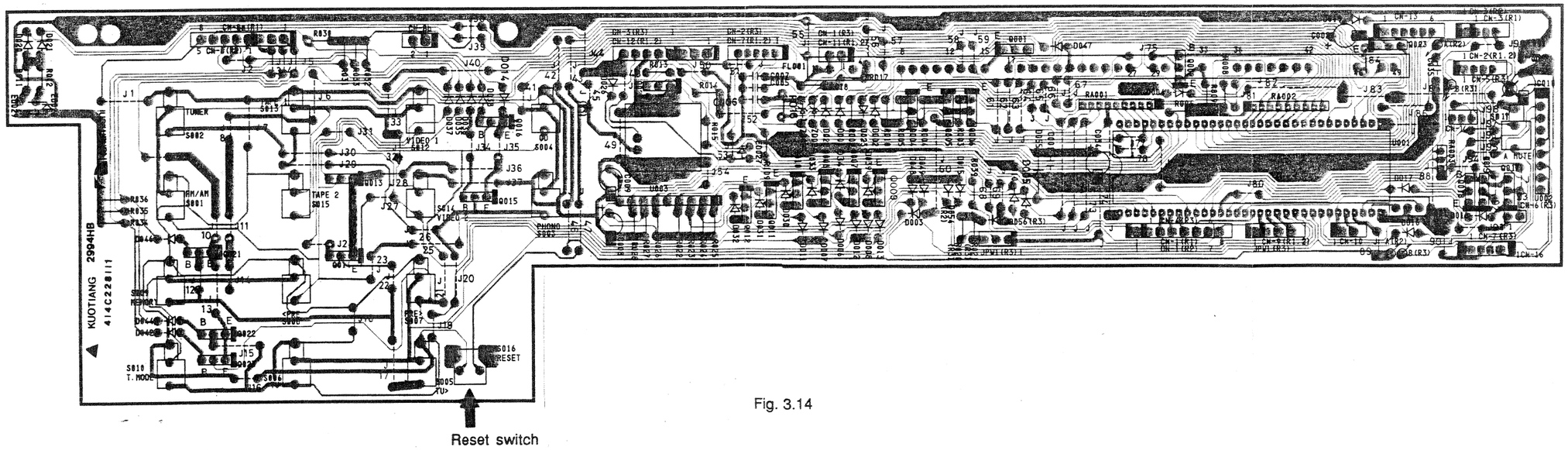



Fig. 3.14

### 3.15. System Remote P.C.B. Ass'y

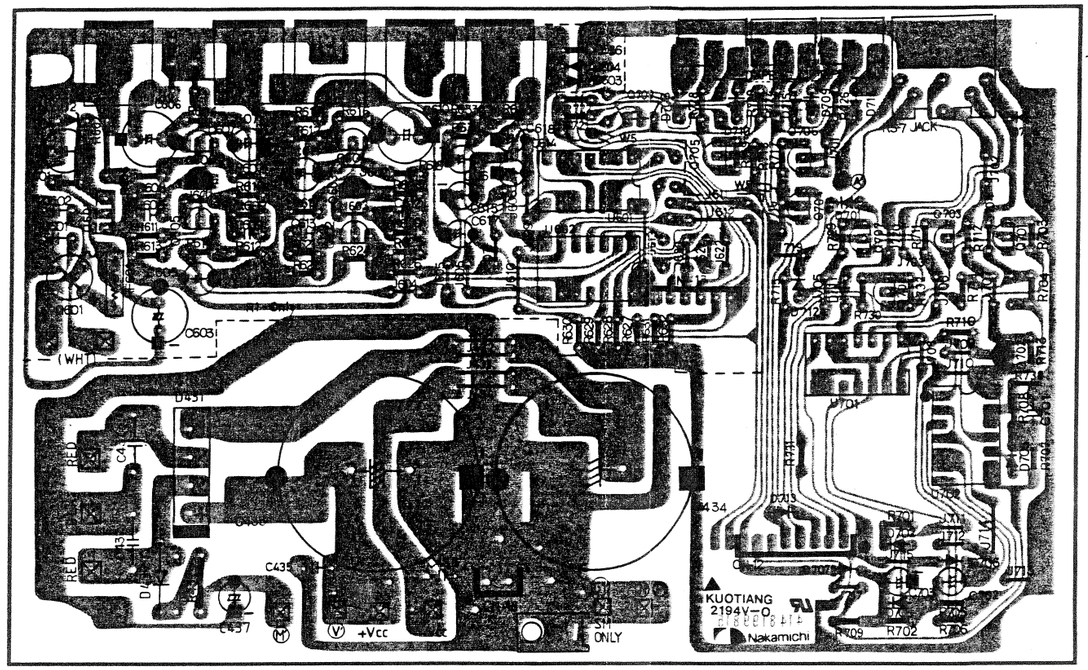
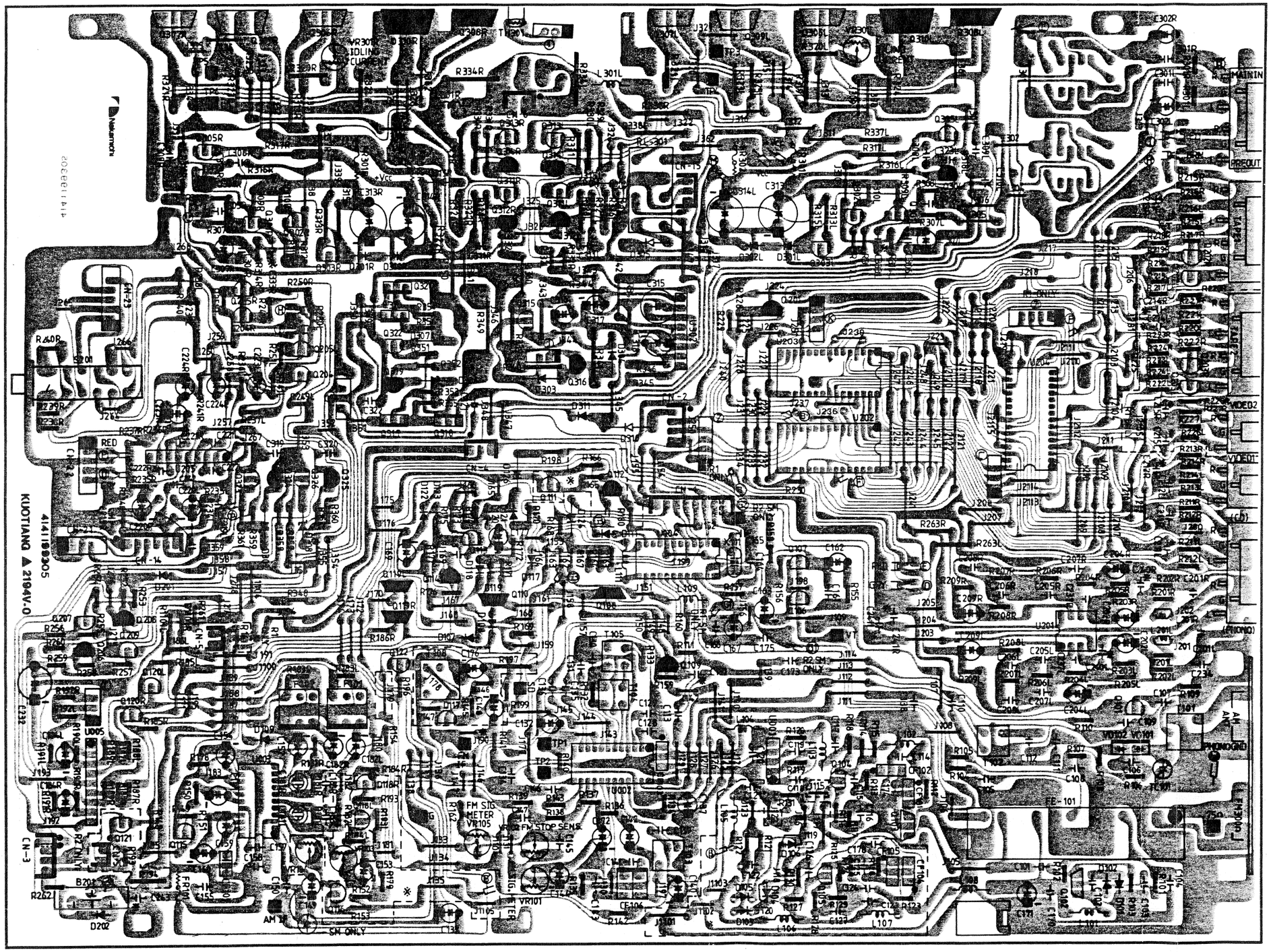



Fig. 3.15

### 3.16. Main P.C.B. Ass'y



**NOTES:** 1. Abbreviations
TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode
RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor, RC – Cement Resistor
CE – Electrolytic Capacitor, CML – Mylar Capacitor, CC – Ceramic Capacitor, CPP – PP Capacitor,
CMM – Metalized Mylar Capacitor, CSP – Polystyrene Capacitor, C – Mica Capacitor,
CT – Tantalum Capacitor
2. Description of capacitor: 10 16V = 10μ 16V

### 3.1. AC Outlet P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00041A** | **AC Outlet P.C.B. Ass'y** |
| | 0L00035A | AC Outlet P.C.B |
| | 0B81930A | Fuse Holder (2) |

### 3.2. Power Switch P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00042A** | **Power Switch P.C.B. Ass'y** |
| | 0L00036A | Power Switch P.C.B. |
| C422,425 | 0B41987A | CC 0.01 250V |
| CN11 | 0B81666A | 2P S-Post |
| S401 | 0B71011A | Power Switch |

### 3.3. Headphone P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00040A** | **Headphone P.C.B. Ass'y** |
| | 0L00034A | Headphone P.C.B. |
| CN15 | 0C85503A | 3P Connector Ass'y 400mm |
| HP301 | 0B81757A | Headphone Jack |

### 3.4. Treble P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00036A** | **Treble P.C.B. Ass'y** |
| | 0L00031A | Treble P.C.B. |
| VR205 | 0L00061A | VR 100KCx2RK |
| R247L,R | 0B09687A | RK 2.7K 1/6W J |
| R248L,R | 0B09673A | RK 680 1/6W J |
| C227L,R | 0B09189A | CML 2700P 50V J |
| C228L,R | 0B05832A | CML 0.018 50V J |
| C236L,R | 0B41495A | CC 180P 50V J |
| | 0B81669A | 5P S-Post |

### 3.5. Bass P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00035A** | **Bass P.C.B. Ass'y** |
| | 0L00030A | Bass P.C.B. |
| VR204 | 0L00060A | VR 50KCx2RK |
| R242L,R | 0B09703A | RK 12K 1/6W J |
| R243L,R | 0B09669A | RK 470 1/6W J |
| R244L,R | 0B09723A | RK 82K 1/6W J |
| R245L,R | 0B09705A | RK 15K 1/6W J |
| R246L,R | 0B09684A | RK 2K 1/6W J |
| C225L,R | 0B05682A | CPP 0.068 100V G |
| C226L,R | 0B41378A | CML 0.39 50V J |

### 3.6. Balance P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00034A** | **Balance P.C.B. Ass'y** |
| | 0L00029A | Balance P.C.B. |
| VR202 | 0L00059A | VR 250KMNx2RK |
| C216L,R | 0B09279A | CC 22P 50V J |
| | 0B81667A | 3P S-Post (1) |

### 3.7. Volume LED P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00031A** | **Volume LED P.C.B. Ass'y** |
| | 0L00026A | Volume LED P.C.B. |
| ED125 | 0C85387A | LED SLR-34DC3F |
| CN5 | 0C85405A | 2P Connector Ass'y 200mm |

### 3.8. Loudness P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00033A** | **Loudness P.C.B. Ass'y** |
| | 0L00028A | Loudness P.C.B. |
| VR201 | 0L00058A | VR 300Kx2RA |
| R231L,R | 0B09709A | RK 22K 1/6W J |
| R232L,R | 0B09699A | RK 8.2K 1/6W J |
| R233L,R | 0B09707A | RK 18K 1/6W J |
| C217L,R | 0B05550A | CML 1000P 50V J |
| C218L,R | 0B05582A | CML 0.022 50V J |
| C231L,R | 0B41476A | CML 0.1 50V J |
| | 0B81668A | 4P S-Post (1) |

### 3.9. Motor Volume P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00043A** | **Motor Volume P.C.B. Ass'y** |
| | 0L00037A | Motor Volume P.C.B. |
| VR203 | 0L00057A | Volume 50KBx2 |
| CN14 | 0C85506A | 6P Connector Ass'y 150mm |
| CN16 | 0B81666A | 2P S-Post |
| M1 | 0C85507A | Ribbon Wire 2P |

### 3.10. Speaker Selector P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00032A** | **Speaker Selector P.C.B. Ass'y** |
| | 0L00027A | Speaker Selector P.C.B. |
| Q021 | 0B06100A | TR 2SC945 |
| D051,052 | 0B06398A | SiD 1SS176 |
| D053 | 0B06398A | SiD 1SS176 |
| R041 | 0B09725A | RK 100K1/6W J |
| R042,043 | 0B09701A | RK 10K 1/6W J |
| R044 | 0B09701A | RK 10K 1/6W J |
| S016 | 0B70141A | Rotary Switch MSB15BP20LC |
| CN8 | 0B81674A | 10P S-Post |
| CN9 | 0B81667A | 3P S-Post |

### 3.11. Record Selector P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00030A** | **Record Selector P.C.B. Ass'y** |
| | 0L00025A | Record Selector P.C.B. |
| S017 | 0B70143A | Rotary Switch MSB18 |

### 3.12. Speaker Terminal P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00039A** | **Speaker Terminal P.C.B. Ass'y** |
| | 0L00033A | Speaker Terminal P.C.B. |
| Q327,328 | 0B06142A | TR 2SC2240 (BL) |
| D381,382 | 0B12586A | SiD 1N4002L |
| R333L,R | 0B24181A | RF 10 1W J |
| R383,384 | 0B09701A | RK 10K 1/6W J |
| R385,386 | 0B24107A | RF 1K 2W |
| C312L,R | 0B05796A | CML 0.047 50V J |
| RL301,302 | 0B90331A | Relay VB-24MBU |
| CN6 | 0C85546A | 4P Connector Ass'y 400mm |
| CN10 | 0B81666A | 2P S-Post |
| | 0C85545A | 8P Speaker Terminal (1) |

### 3.13. Power Supply P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00038A** | **Power Supply P.C.B. Ass'y** |
| | 0L00032A | Power Supply P.C.B. |
| U401 | 0B11010A | IC MC7805T |
| U402 | 0B11011A | IC MC7812 |
| Q401,402 | 0B06100A | TR 2SC945 |
| Q403 | 0B10049A | TR 2SC2001 |
| Q404 | 0B06100A | TR 2SC945 |
| Q405 | 0B10246A | TR 2SA965 (Y) |
| ZD404,405 | 0B12104A | ZD 15V B3 |
| ZD408 | 0B12255A | ZD 33V B2 |
| D401,402 | 0B12586A | SiD 1N4002L |
| D403 | 0B12586A | SiD 1N4002L |
| D406 | 0B12586A | SiD 1N4002L |
| D407 | 0B12713A | SiD W02G |
| D409,410 | 0B12586A | SiD 1N4002L |
| D411,412 | 0B12586A | SiD 1N4002L |
| D413,414 | 0B06398A | SiD 1SS176 |
| D415 | 0B12713A | SiD W02G |
| T401 | 0C85579A | Sub Power Transformer |
| FR401 | 0B24023A | Fuse Resistor 1 1/4W |
| FR402 | 0B24088A | Fuse Resistor 10 1/4W |
| R401 | 0B05622A | RK 2.2K 1/4W J |
| R402 | 0B05577A | RK 330 1/4W J |
| R403,404 | 0B01681A | RK 3.3K 1/4W J |
| R405 | 0B09685A | RK 2.2K 1/6W J |
| R406 | 0B00346A | RK 1K 1/2W J |
| R407 | 0B05622A | RK 2.2K 1/4W J |
| R408 | 0B05615A | RK 22K 1/4W J |
| R409 | 0B01888A | RK 10K 1/4W J |
| R410 | 0B09701A | RK 10K 1/6W J |
| R411 | 0B01889A | RK 100K 1/4W J |
| R412 | 0B24202A | RF 5.6 1W |
| R413 | 0B05919A | RK 3.3M 1/2W |
| RL401 | 0B90334A | Relay VS-12MB-VD3 |
| C401 | 0B09387A | CC 0.047 50V Z |
| C402 | 0B40124A | CE 1000 50V |
| C403 | 0B09313A | CE 100 50V |
| C404,405 | 0B09292A | CC 0.1 50V Z |
| C406 | 0B40095A | CE 1000 25V |
| C407,408 | 0B09292A | CC 0.1 50V Z |
| C409 | 0B40079A | CE 220 16V |
| C410 | 0B40123A | CE 470 50V |
| C411,412 | 0B09126A | CE 100 35V |
| C413 | 0B40123A | CE 470 50V |
| C414 | 0B01400A | CE 100 16V |
| C415 | 0B01674A | CE 10 25V |
| C416 | 0B40067A | CE 470 10V |
| C417 | 0B40079A | CE 220 16V |
| C418 | 0B40082A | CE 1000 16V |
| C419,420 | 0B09292A | CC 0.1 50V Z |
| C421 | 0B41829B | CC 4700P 400V |
| C423 | 0B09372A | CE 2.2 50V |
| CN4 | 0C85542A | 3P Connector Ass'y |
| CN7 | 0B81762A | 5P T-Post |
| F401 | 0B81848A | Fuse Holder (2) |

### 3.14. Front P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00029A** | **Front P.C.B. Ass'y** |
| | 0L00024A | Front P.C.B. |
| U001 | 0B11872A | IC uPD75208CW-A77 |
| U002 | 0B11530A | IC BA6208 |
| U003 | 0B11244A | IC LB1413N |
| U004 | 0C85399A | Remote Control Receiver SBX-1610 |
| Q001,002 | 0B10328A | TR DTC114TF |
| Q003 | 0B10328A | TR DTC114TF |
| Q004 | 0B10328A | TR DTC114TF |
| Q005,006 | 0B10328A | TR DTC114TF |
| Q007,008 | 0B10325A | TR DTA114TF |
| Q009 | 0B10327A | TR DTA144TF |
| Q010 | 0B10325A | TR DTA114TF |
| Q011,012 | 0B10057A | TR DTA114TS |
| Q013,014 | 0B10057A | TR DTA114TS |
| Q015,016 | 0B10057A | TR DTA114TS |
| Q017,018 | 0B10062A | TR DTC144ES |
| Q019 | 0B10062A | TR DTC144ES |
| Q020 | 0B06100A | TR 2SC945 |
| Q021,022 | 0B10057A | TR DTA114TS |
| Q023 | 0B10057A | TR DTA114TS |
| ZD024 | 0B06232A | ZD 9.1V B2 |
| ZD025 | 0B12159A | ZD 7.5V B2 |
| ED027,028 | 0C85387A | LED SLR-34DC3F |
| ED029 | 0C85387A | LED SLR-34DC3F |
| D001,002 | 0B06398A | SiD 1SS176 |
| D003,004 | 0B06398A | SiD 1SS176 |
| D005,006 | 0B06398A | SiD 1SS176 |
| D007,008 | 0B06398A | SiD 1SS176 |
| D010,011 | 0B06398A | SiD 1SS176 |
| D012,013 | 0B06398A | SiD 1SS176 |
| D014,015 | 0B06398A | SiD 1SS176 |
| D016,017 | 0B06398A | SiD 1SS176 |
| D018,019 | 0B06398A | SiD 1SS176 |
| D020,021 | 0B06398A | SiD 1SS176 |
| D022,023 | 0B06398A | SiD 1SS176 |
| D026 | 0B06398A | SiD 1SS176 |
| D030,031 | 0B06398A | SiD 1SS176 |
| D032,033 | 0B06398A | SiD 1SS176 |
| D034,035 | 0B06398A | SiD 1SS176 |
| D036,037 | 0B06398A | SiD 1SS176 |
| D038 | 0B06398A | SiD 1SS176 |
| D039 | 0B06398A | SiD 1SS176 |
| D042 | 0B06398A | SiD 1SS176 |
| D044 | 0B06398A | SiD 1SS176 |
| D046 | 0B06398A | SiD 1SS176 |
| D047 | 0B06398A | SiD 1SS176 |
| D055 | 0B12584A | SiD 1N4148 |
| X001 | 0B92034A | Resonator 4.19MHz |
| L001 | 0B51291A | Choke Coil 470uH K |
| RA001,002 | 0C85397A | R Network 100Kx9 |
| RA003 | 0B21119A | R Network 10Kx3 |
| R003,004 | 0B09725A | RK 100K 1/6W J |
| R005 | 0B09725A | RK 100K 1/6W J |
| R006 | 0B09721A | RK 68K 1/6W J |
| R007 | 0B09709A | RK 22K 1/6W J |
| R008,009 | 0B09725A | RK 100K 1/6W J |
| R010 | 0B09725A | RK 100K 1/6W J |
| R011,012 | 0B09661A | RK 220 1/6W J |
| R013,014 | 0B09701A | RK 10K 1/6W J |
| R015 | 0B09661A | RK 220 1/6W J |
| R016 | 0B09701A | RK 10K 1/6W J |
| R017,018 | 0B09661A | RK 220 1/6W J |
| R019 | 0B09701A | RK 10K 1/6W J |
| R021 | 0B09701A | RK 10K 1/6W J |
| R022,023 | 0B09701A | RK 10K 1/6W J |
| R024,025 | 0B09701A | RK 10K 1/6W J |
| R026 | 0B09701A | RK 10K 1/6W J |
| R027 | 0B09677A | RK 1K 1/6W J |
| R028 | 0B09723A | RK 82K 1/6W J |
| R030,031 | 0B09701A | RK 10K 1/6W J |
| R032,033 | 0B09701A | RK 10K 1/6W J |
| R034,035 | 0B09701A | RK 10K 1/6W J |
| R036 | 0B09701A | RK 10K 1/6W J |
| R039 | 0B09711A | RK 27K 1/6W J |
| C001 | 0B09291A | CC 0.022 50V Z |
| C002 | 0B01405A | CE 1 50V |
| C005 | 0B09292A | CC 0.1 50V Z |
| C006 | 0B09291A | CC 0.022 50V Z |
| C007 | 0B09292A | CC 0.1 50V Z |
| C008,009 | 0B48002A | CE 10 25V |
| C010 | 0B01403A | CE 47 16V |
| C034 | 0B05885A | CE 100 10V |
| C035 | 0B09292A | CC 0.1 50V Z |
| S001,002 | 0B70214A | Tact Switch |
| S003,004 | 0B70214A | Tact Switch |
| S005,006 | 0B70214A | Tact Switch |
| S007,008 | 0B70214A | Tact Switch |
| S009,010 | 0B70214A | Tact Switch |
| S012,013 | 0B70214A | Tact Switch |
| S014,015 | 0B70214A | Tact Switch |
| FL001 | 0B90463A | FL Display FIP8CGM8 |
| CN1 | 0L00041A | 8P Connector Ass'y 300mm |
| CN2 | 0C85531A | 4P Connector Ass'y 300mm |
| CN3 | 0L00040A | 3P Connector Ass'y 250mm |
| CN7 | 0C85532A | 5P Connector Ass'y 500mm |
| CN8A | 0L00042A | 8P Connector Ass'y 200mm |
| CN8B | 0L00045A | 2P Connector Ass'y 200mm |
| CN9 | 0L00039A | 4P Connector Ass'y 220mm |
| CN10 | 0C85529A | 2P Connector Ass'y 500mm |
| CN11 | 0L00038A | 2P Connector Ass'y 250mm |
| CN12 | 0L00043A | 8P Connector Ass'y 400mm |
| CN13 | 0C85569A | 6P Connector Ass'y 400mm |
| CN16 | 0L00044A | 2P Connector Ass'y 150mm |

### 3.15. System Remote P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00069A** | **System Remote P.C.B. Ass'y** |
| | 0L00056A | System Remote P.C.B. |
| U601,602 | 0B06169A | IC TC4066BP |
| U701 | 0B06143A | IC uPD4001BC |
| U702 | 0B06219A | IC uPD4081BC |
| Q601 | 0B06452A | TR 2SD1406 |
| Q602 | 0B06100A | TR 2SC945 |
| Q603 | 0B06013A | TR 2SA733 |
| Q604,605 | 0B06100A | TR 2SC945 |
| Q606 | 0B06013A | TR 2SA733 |
| Q607 | 0B06100A | TR 2SC945 |
| Q701 | 0B10113A | TR 2SC1815 (G) |
| Q702 | 0B06013A | TR 2SA733 |
| Q703 | 0B10113A | TR 2SC1815 (G) |
| Q704,705 | 0B06100A | TR 2SC945 |
| Q706,707 | 0B06100A | TR 2SC945 |
| Q708 | 0B06100A | TR 2SC945 |
| Q709 | 0B10104A | TR DTC114TS |
| ZD602 | 0B12390A | ZD 13V B3 |
| D431 | 0B12626A | SiD KBU6D |
| D432 | 0B12586A | SiD 1N4002L |
| D601 | 0B12713A | SiD W02G |
| D603,604 | 0B06398A | SiD 1SS176 |
| D701,702 | 0B06398A | SiD 1SS176 |
| D703,704 | 0B06398A | SiD 1SS176 |
| D705,706 | 0B06398A | SiD 1SS176 |
| D707,708 | 0B06398A | SiD 1SS176 |
| D709,710 | 0B06398A | SiD 1SS176 |
| D711,712 | 0B06398A | SiD 1SS176 |
| D713,714 | 0B06398A | SiD 1SS176 |
| D715 | 0B06398A | SiD 1SS176 |
| R431 | 0B05615A | RK 22K 1/4W J |
| R601 | 0B09677A | RK 1K 1/6W J |
| R602 | 0B01857A | RK 1K 1/4W J |
| R603 | 0B09701A | RK 10K 1/6W J |
| R604 | 0B09649A | RK 68 1/6W J |
| R605 | 0B09661A | RK 220 1/6W J |
| R606 | 0B09653A | RK 100 1/6W J |
| R607 | 0B09683A | RK 1.8K 1/6W J |
| R608 | 0B09669A | RK 470 1/6W J |
| R609 | 0B09671A | RK 560 1/6W J |
| R610 | 0B09665A | RK 330 1/6W J |
| R611 | 0B09677A | RK 1K 1/6W J |
| R612 | 0B09679A | RK 1.2K 1/6W J |
| R613 | 0B09691A | RK 3.9K 1/6W J |
| R614 | 0B09651A | RK 82 1/6W J |
| R615 | 0B09701A | RK 10K 1/6W J |
| R616 | 0B09649A | RK 68 1/6W J |
| R617 | 0B09661A | RK 220 1/6W J |
| R618 | 0B09653A | RK 100 1/6W J |
| R619 | 0B09683A | RK 1.8K 1/6W J |
| R620 | 0B09669A | RK 470 1/6W J |
| R621 | 0B09671A | RK 560 1/6W J |
| R622 | 0B09665A | RK 330 1/6W J |
| R623 | 0B09677A | RK 1K 1/6W J |
| R624 | 0B09679A | RK 1.2K 1/6W J |
| R625 | 0B09691A | RK 3.9K 1/6W J |
| R626 | 0B09651A | RK 82 1/6W J |
| R627,628 | 0B09749A | RK 1M 1/6W J |
| R629,630 | 0B09749A | RK 1M 1/6W J |
| R631,632 | 0B09749A | RK 1M 1/6W J |
| R633,634 | 0B09650A | RK 75 1/6W J |
| R635 | 0B09650A | RK 75 1/6W J |
| R636 | 0B09725A | RK 100K 1/6W J |
| R701 | 0B09693A | RK 4.7K 1/6W J |
| R702 | 0B09733A | RK 220K 1/6W J |
| R703 | 0B09701A | RK 10K 1/6W J |
| R704 | 0B09685A | RK 2.2K 1/6W J |
| R705 | 0B09731A | RK 180K 1/6W J |
| R706 | 0B20093A | RK 1.5M 1/6W J |
| R707 | 0B09739A | RK 390K 1/6W J |
| R708 | 0B09701A | RK 10K 1/6W J |
| R709 | 0B09709A | RK 22K 1/6W J |
| R710 | 0B09725A | RK 100K 1/6W J |
| R711 | 0B09701A | RK 10K 1/6W J |
| R712,713 | 0B09693A | RK 4.7K 1/6W J |
| R714 | 0B09677A | RK 1K 1/6W J |
| R715 | 0B09717A | RK 47K 1/6W J |
| R716 | 0B09701A | RK 10K 1/6W J |
| R717,718 | 0B09701A | RK 10K 1/6W J |
| R719,720 | 0B09717A | RK 47K 1/6W J |
| R721,722 | 0B09701A | RK 10K 1/6W J |
| R724 | 0B09637A | RK 22 1/6W J |
| R726 | 0B09637A | RK 22 1/6W J |
| R728 | 0B09661A | RK 220 1/6W J |
| R729 | 0B09717A | RK 47K 1/6W J |
| R730 | 0B09701A | RK 10K 1/6W J |
| R731 | 0B09677A | RK 1K 1/6W J |
| R732 | 0B09717A | RK 47K 1/6W J |
| R738 | 0B09749A | RK 1M 1/6W J |
| FR601 | 0C85552A | Fuse Resistor 1 1/4W |
| C431,432 | 0B41901A | CC 0.022 500V Z |
| C433,434 | 0B40519A | CE 10000 63V |
| C435,436 | 0B41176A | CML 0.22 63V J |
| C437 | 0B40836A | CE 4.7 50V |
| C601,602 | 0B41496A | CC 220P 50V J |
| C603 | 0B40094A | CE 470 25V |
| C604 | 0B40079A | CE 220 16V |
| C605 | 0B01400A | CE 100 16V |
| C606 | 0B40082A | CE 1000 16V |
| C607 | 0B01400A | CE 100 16V |
| C608 | 0B41496A | CC 220P 50V J |
| C609 | 0B09276A | CC 5P 50V C |
| C610 | 0B40082A | CE 1000 16V |
| C611 | 0B01400A | CE 100 16V |
| C612 | 0B41496A | CC 220P 50V J |
| C613 | 0B09276A | CC 5P 50V C |
| C614,615 | 0B40075A | CE 22 16V |
| C616,617 | 0B40075A | CE 22 16V |
| C618 | 0B40075A | CE 22 16V |
| C701 | 0B41286A | CML 0.01 50V J |
| C702 | 0B09187A | CE 1 50V (BP) |
| C703 | 0B40836A | CE 4.7 50V |
| CN12 | 0B81765A | 8P T-Post |
| CN13 | 0B81763A | 6P T-Post |
| CN18 | 0B81975A | 2P T-Post |
| | 0B81952A | Stereo Mini Jack HTJ-035-11 (3) |
| | 0B81953A | 6P Din Socket (1) |
| | 0B81947A | 1P Pin Jack (5) |

### 3.16. Main P.C.B. Ass'y

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **CB00027A** | **Main P.C.B. Ass'y** |
| | 0L00023A | Main P.C.B. |
| U001 | 0B11156A | IC TA7060AP |
| U002 | 0B11875A | IC LA1266 |
| U003 | 0B11876A | IC LA3401 |
| U004 | 0B11877A | IC LC7218 |
| U005 | 0B11050A | IC NJM4558S |
| U201 | 0B06387A | IC NJM2043DD |
| U202 | 0B11878A | IC LC7821 |
| U203,204 | 0B11879A | IC LC7822N |
| U205 | 0B11529A | IC uPC4570HA |
| U302 | 0B11246A | IC uPC1237H |
| Q101 | 0B10181A | FET 2SK117 (GR) |
| Q102,103 | 0B10127A | FET 2SK241 (GR) |
| Q104 | 0B06115A | TR 2SC1675 (L) |
| Q106,107 | 0B06100A | TR 2SC945 |
| Q108 | 0B10053A | TR DTA144ES |
| Q109 | 0B06013A | TR 2SA733 |
| Q110 | 0B10053A | TR DTA144ES |
| Q113 | 0B06100A | TR 2SC945 |
| Q114 | 0B06013A | TR 2SA733 |
| Q115 | 0B06100A | TR 2SC945 |
| Q119L,R | 0B10053A | TR DTA144ES |
| Q120L,R | 0B06299A | TR 2SC2878 |
| Q122 | 0B06100A | TR 2SC945 |
| Q201 | 0B06013A | TR 2SA733 |
| Q202L,R | 0B06299A | TR 2SC2878 |
| Q203L,R | 0B06299A | TR 2SC2878 |
| Q204L,R | 0B06299A | TR 2SC2878 |
| Q205L,R | 0B06299A | TR 2SC2878 |
| Q206 | 0B06013A | TR 2SA733 |
| Q207 | 0B06100A | TR 2SC945 |
| Q208 | 0B06013A | TR 2SA733 |
| Q209 | 0B06100A | TR 2SC945 |
| Q301L,R | 0B06142A | TR 2SC2240 (BL) |
| Q302L,R | 0B06142A | TR 2SC2240 (BL) |
| Q303L,R | 0B06142A | TR 2SC2240 (BL) |
| Q304L,R | 0B10204A | TR 2SA1145 |
| Q305L,R | 0B10205A | TR 2SC2705 |
| Q311L,R | 0B06142A | TR 2SC2240 (BL) |
| Q312L,R | 0B10050A | TR 2SA970 (BL) |
| Q313L,R | 0B10205A | TR 2SC2705 |
| Q314L,R | 0B10050A | TR 2SA970 (BL) |
| Q315 | 0B06322A | TR 2SC2002 (K) |
| Q316 | 0B06372A | TR 2SA953 |
| Q317,318 | 0B10248A | TR 2SD313 (E) |
| Q319 | 0B06013A | TR 2SA733 |
| Q320,321 | 0B10264A | TR 2SB507 (E) |
| Q322,323 | 0B06100A | TR 2SC945 |
| Q324,325 | 0B06013A | TR 2SA733 |
| Q326 | 0B06100A | TR 2SC945 |
| VD101 | 0B12606A | Varicap KV1236Z1 |
| ZD303 | 0B06231A | ZD 11V B2 |
| ZD306,307 | 0B12627A | ZD 18V B2 |
| ZD308,309 | 0B12614A | ZD 12V B2 |
| D101,102 | 0B06398A | SiD 1SS176 |
| D107,108 | 0B06398A | SiD 1SS176 |
| D109 | 0B06398A | SiD 1SS176 |
| D111 | 0B06398A | SiD 1SS176 |
| D117,118 | 0B06398A | SiD 1SS176 |
| D119,120 | 0B06398A | SiD 1SS176 |
| D121,122 | 0B06398A | SiD 1SS176 |
| D123 | 0B06398A | SiD 1SS176 |
| D124 | 0B12584A | SiD 1N4148 |
| D126 | 0B12584A | SiD 1N4148 |
| D201,202 | 0B06398A | SiD 1SS176 |
| D301L,R | 0B06398A | SiD 1SS176 |
| D302L,R | 0B06398A | SiD 1SS176 |
| D304 | 0B12584A | SiD 1N4148 |
| D305 | 0B12586A | SiD 1N4002L |
| D310 | 0B12586A | SiD 1N4002L |
| D311 | 0B06398A | SiD 1SS176 |

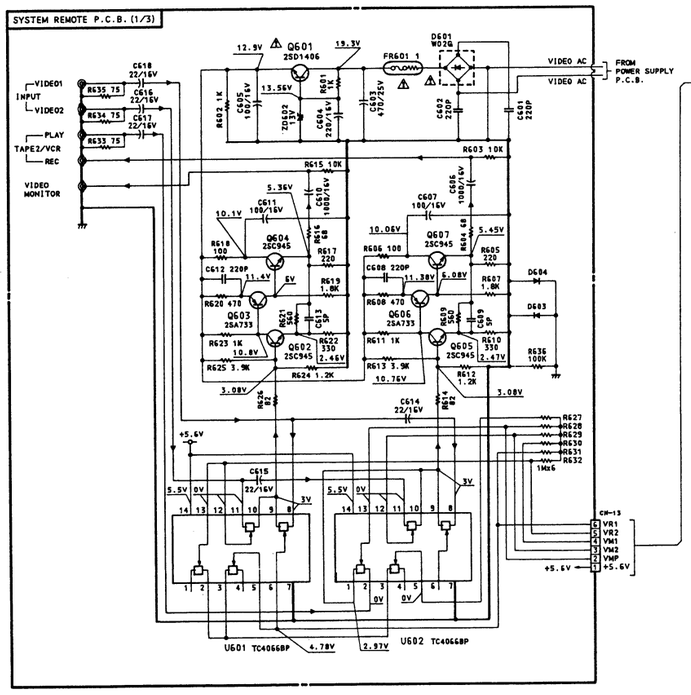
| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| D315L,R | 0B12584A | SiD 1N4148 |
| X101 | 0B92006A | X'tal 7.2MHz |
| CF101,102 | 0B41918A | Ceramic Filter SFE10.7ML-A-RED |
| CF103 | 0B41918A | Ceramic Filter SFE10.7ML-A-RED |
| CF106 | 0B41897A | Ceramic Filter SFZ450G3L |
| CF107 | 0B41927A | Resonator CSB456F |
| LF101,102 | 0B51295A | FM MPX Trap TWS-358-484 |
| T101 | 0B51269A | AM Ant Coil TWS-385-638 |
| T102 | 0B51270A | AM OSC Coil TWS-358-644 |
| T103 | 0B51271A | AM IFT TWS-358-645 |
| T104 | 0B51272A | FM DET (A) TWS-358-636 |
| T105 | 0B51273A | FM DET (B) TWS-358-637 |
| L101,102 | 0B51274A | Coil 22uH K |
| L103,104 | 0B51274A | Coil 22uH K |
| L108,109 | 0B51274A | Coil 22uH K |
| L111 | 0L00018A | Coil 100uH |
| L301L,R | 0C85512A | Audio Coil 0.8uH |
| VR101,102 | 0C85452A | Semi VR 100K |
| VR103 | 0C85452A | Semi VR 100K |
| VR105 | 0C85452A | Semi VR 100K |
| VR301L,R | 0C85510A | Semi VR 1K |
| R101 | 0B09729A | RK 150K 1/6W J |
| R102 | 0B09733A | RK 220K 1/6W J |
| R103 | 0B09749A | RK 1M 1/6W J |
| R104 | 0B09677A | RK 1K 1/6W J |
| R105,106 | 0B09725A | RK 100K 1/6W J |
| R107,108 | 0B09725A | RK 100K 1/6W J |
| R109 | 0B09749A | RK 1M 1/6W J |
| R110 | 0B09667A | RK 390 1/6W J |
| R111,112 | 0B09661A | RK 220 1/6W J |
| R113 | 0B09667A | RK 390 1/6W J |
| R114 | 0B22329A | RM 7.5K 1/4W F |
| R115 | 0B22270A | RM 2.4K 1/4W F |
| R116 | 0B09645A | RK 47 1/6W J |
| R117 | 0B09667A | RK 390 1/6W J |
| R118 | 0B09665A | RK 330 1/6W J |
| R119,120 | 0B09667A | RK 390 1/6W J |
| R132 | 0B09695A | RK 5.6K 1/6W J |
| R133 | 0B09689A | RK 3.3K 1/6W J |
| R134 | 0B09677A | RK 1K 1/6W J |
| R135 | 0B09689A | RK 3.3K 1/6W J |
| R136,137 | 0B09701A | RK 10K 1/6W J |
| R138,139 | 0B09689A | RK 3.3K 1/6W J |
| R140 | 0B09707A | RK 18K 1/6W J |
| R141 | 0B09687A | RK 2.7K 1/6W J |
| R142 | 0B09689A | RK 3.3K 1/6W J |
| R143 | 0B09651A | RK 82 1/6W J |
| R148,149 | 0B09719A | RK 56K 1/6W J |
| R150 | 0B09693A | RK 4.7K 1/6W J |
| R151 | 0B09695A | RK 5.6K 1/6W J |
| R154 | 0B09721A | RK 68K 1/6W J |
| R155 | 0B09699A | RK 8.2K 1/6W J |
| R156 | 0B09701A | RK 10K 1/6W J |
| R157 | 0B09697A | RK 6.8K 1/6W J |
| R158 | 0B09677A | RK 1K 1/6W J |
| R159,160 | 0B09701A | RK 10K 1/6W J |
| R161 | 0B09677A | RK 1K 1/6W J |
| R162 | 0B09741A | RK 470K 1/6W J |
| R163,164 | 0B09701A | RK 10K 1/6W J |
| R167,168 | 0B09701A | RK 10K 1/6W J |
| R169 | 0B09725A | RK 100K 1/6W J |
| R170,171 | 0B09701A | RK 10K 1/6W J |
| R172 | 0B09709A | RK 22K 1/6W J |
| R173 | 0B09719A | RK 56K 1/6W J |
| R174 | 0B09701A | RK 10K 1/6W J |
| R175 | 0B09725A | RK 100K 1/6W J |
| R176 | 0B09727A | RK 120K 1/6W J |
| R177 | 0B09693A | RK 4.7K 1/6W J |
| R178 | 0B09677A | RK 1K 1/6W J |
| R181L,R | 0B22465A | RM 120K 1/4W F |
| R182L,R | 0B22286A | RM 3.3K 1/4W F |
| R183L,R | 0B22286A | RM 3.3K 1/4W F |
| R184L,R | 0B09727A | RK 120K 1/6W J |
| R185L,R | 0B09685A | RK 2.2K 1/6W J |
| R186L,R | 0B09695A | RK 5.6K 1/6W J |
| R187L,R | 0B09725A | RK 100K 1/6W J |
| R188L,R | 0B09725A | RK 100K 1/6W J |
| R189L,R | 0B09725A | RK 100K 1/6W J |
| R190L,R | 0B09723A | RK 82K 1/6W J |
| R191L,R | 0B09677A | RK 1K 1/6W J |
| R192L,R | 0B09725A | RK 100K 1/6W J |
| R196 | 0B09731A | RK 180K 1/6W J |
| R198 | 0B09709A | RK 22K 1/6W J |
| R199 | 0B09701A | RK 10K 1/6W J |
| R201L,R | 0B09657A | RK 150 1/6W J |
| R202L,R | 0B09743A | RK 560K 1/6W J |
| R203L,R | 0B09718A | RK 51K 1/6W J |
| R204L,R | 0B22229A | RM 1K 1/4W F |
| R205L,R | 0B09725A | RK 100K 1/6W J |
| R206L,R | 0B22542A | RM 560K 1/4W F |
| R207L,R | 0B22419A | RM 47K 1/4W F |
| R208L,R | 0B22229A | RM 1K 1/4W F |
| R209L,R | 0B09725A | RK 100K 1/6W J |
| R211L,R | 0B09645A | RK 47 1/6W J |
| R212L,R | 0B09719A | RK 56K 1/6W J |
| R213L,R | 0B09645A | RK 47 1/6W J |
| R214L,R | 0B09719A | RK 56K 1/6W J |
| R215L,R | 0B09645A | RK 47 1/6W J |
| R216L,R | 0B09719A | RK 56K 1/6W J |
| R217L,R | 0B09681A | RK 1.5K 1/6W J |
| R218L,R | 0B09725A | RK 100K 1/6W J |
| R219L,R | 0B09717A | RK 47K 1/6W J |
| R220L,R | 0B09645A | RK 47 1/6W J |
| R221L,R | 0B09719A | RK 56K 1/6W J |
| R222L,R | 0B09681A | RK 1.5K 1/6W J |
| R223L,R | 0B09725A | RK 100K 1/6W J |
| R224L,R | 0B09717A | RK 47K 1/6W J |
| R225 | 0B09725A | RK 100K 1/6W J |
| R226L,R | 0B09645A | RK 47 1/6W J |
| R227L,R | 0B09719A | RK 56K 1/6W J |
| R229,228 | 0B09717A | RK 47K 1/6W J |
| R230 | 0B09717A | RK 47K 1/6W J |
| R234L,R | 0B09653A | RK 100 1/6W J |
| R235L,R | 0B09729A | RK 150K 1/6W J |
| R236L,R | 0B09743A | RK 560K 1/6W J |
| R237L,R | 0B22457A | RM 100K 1/4W F |
| R238L,R | 0B22229A | RM 1K 1/4W F |
| R239L,R | 0B22351A | RM 12K 1/4W F |
| R240L,R | 0B22351A | RM 12K 1/4W F |
| R241L,R | 0B09677A | RK 1K 1/6W J |
| R249L,R | 0B09701A | RK 10K 1/6W J |
| R250L,R | 0B09701A | RK 10K 1/6W J |
| R251L,R | 0B09653A | RK 100 1/6W J |
| R252 | 0B09725A | RK 100K 1/6W J |
| R253,254 | 0B09701A | RK 10K 1/6W J |
| R255 | 0B09725A | RK 100K 1/6W J |
| R256 | 0B09701A | RK 10K 1/6W J |
| R257 | 0B09717A | RK 47K 1/6W J |
| R258 | 0B09725A | RK 100K 1/6W J |
| R259 | 0B09717A | RK 47K 1/6W J |
| R260 | 0B09725A | RK 100K 1/6W J |
| R261 | 0B09717A | RK 47K 1/6W J |
| R262 | 0B09665A | RK 330 1/6W J |
| R263L,R | 0B01857A | RK 1K 1/4W J |
| R301L,R | 0B09733A | RK 220K 1/6W J |
| R307L,R | 0B09677A | RK 1K 1/6W J |
| R308L,R | 0B09702A | RK 11K 1/6W J |
| R309L,R | 0B09671A | RK 560 1/6W J |
| R310L,R | 0B09671A | RK 560 1/6W J |
| R311L,R | 0B09637A | RK 22 1/6W J |
| R312L,R | 0B09637A | RK 22 1/6W J |
| R313L,R | 0B01933A | RK 220 1/4W J |
| R314L,R | 0B09668A | RK 430 1/6W J |
| R315L,R | 0B05641A | RK 47K 1/4W J |
| R316L,R | 0B20530A | RK 91 1/4W J |
| R317L,R | 0B01679A | RK 100 1/4W J |
| R318L,R | 0B09707A | RK 18K 1/6W J |
| R319L,R | 0B09301A | RK 2K 1/4W J |
| R320L,R | 0B05577A | RK 330 1/4W J |
| R321L,R | 0B01933A | RK 220 1/4W J |
| R322L,R | 0B05640A | RK 180K 1/4W J |
| R323L,R | 0B24226A | RC 0.22 5W |
| R324L,R | 0B24226A | RC 0.22 5W |
| R325L,R | 0B01888A | RK 10K 1/4W J |
| R326L,R | 0B09556A | RK 3.6K 1/4W J |
| R327L,R | 0B05560A | RK 18K 1/4W J |
| R328L,R | 0B01889A | RK 100K 1/4W J |
| R329L,R | 0B05627A | RK 330K 1/4W J |
| R330L,R | 0B05627A | RK 330K 1/4W J |
| R331L,R | 0B05509A | RK 33K 1/4W J |
| R332L,R | 0B09731A | RK 180K 1/6W J |
| R334L,R | 0B24229A | RF 3.3 1W |
| R337L,R | 0B09334A | RK 11K 1/4W J |
| R338L,R | 0B24208A | RF 330 2W |
| R339 | 0B01888A | RK 10K 1/4W J |
| R340 | 0B01682A | RK 6.8K 1/4W J |
| R341 | 0B20520A | RK 1.5K 1/2W J |
| R342 | 0B09391A | RK 91K 1/4W J |
| R343 | 0B01933A | RK 220 1/4W J |
| R344 | 0B01889A | RK 100K 1/4W J |
| R345 | 0B05560A | RK 18K 1/4W J |
| R346 | 0B05508A | RK 56K 1/4W J |
| R347 | 0B24248A | RF 3.3K 1W |
| R348 | 0B09717A | RK 47K 1/6W J |
| R349,350 | 0B24357A | RC 220 5W |
| R351,352 | 0B20586A | RK 2.2K 1/2W J |
| R353,354 | 0B20586A | RK 2.2K 1/2W J |
| R355,356 | 0B09673A | RK 680 1/6W J |
| R357,358 | 0B09685A | RK 2.2K 1/6W J |
| R359,360 | 0B09673A | RK 680 1/6W J |
| R361,362 | 0B09677A | RK 1K 1/6W J |
| R1101L,R | 0B09725A | RK 100K 1/6W J |
| FR101 | 0B24358A | Fuse Resistor 47 1/4W |
| FR301L,R | 0B24358A | Fuse Resistor 47 1/4W |
| FR302L,R | 0B24358A | Fuse Resistor 47 1/4W |
| VC101 | 0B42010A | C Trimmer 10P |
| C101 | 0B41872A | CC 18P 50V J |
| C102 | 0B09290A | CC 0.01 50V Z |
| C103 | 0B05583A | CNL 0.033 50V J |
| C104 | 0B09292A | CC 0.1 50V Z |
| C105 | 0B09387A | CC 0.047 50V Z |
| C106,107 | 0B09291A | CC 0.022 50V Z |
| C108 | 0B09291A | CC 0.022 50V Z |
| C109 | 0B41735A | CC 100P 50V J |
| C110 | 0B09291A | CC 0.022 50V Z |
| C111 | 0B09276A | CC 5P 50V C |
| C112 | 0B41215A | CPp 390P 100V J |
| C113 | 0B09291A | CC 0.022 50V Z |
| C114,115 | 0B09291A | CC 0.022 50V Z |
| C116,117 | 0B09291A | CC 0.022 50V Z |
| C118,119 | 0B09291A | CC 0.022 50V Z |
| C120 | 0B09291A | CC 0.022 50V Z |
| C128,129 | 0B09291A | CC 0.022 50V Z |
| C130,131 | 0B09291A | CC 0.022 50V Z |
| C132 | 0B40833A | CE 0.33 50V |
| C133 | 0B01403A | CE 47 16V |
| C134,135 | 0B41735A | CC 100P 50V J |
| C136 | 0B09288A | CC 1000P 50V K |
| C137 | 0B01674A | CE 10 25V |
| C138 | 0B09291A | CC 0.022 50V Z |
| C139 | 0B09387A | CC 0.047 50V Z |
| C140 | 0B01403A | CE 47 16V |
| C141 | 0B41908A | CC 82P 50V J |

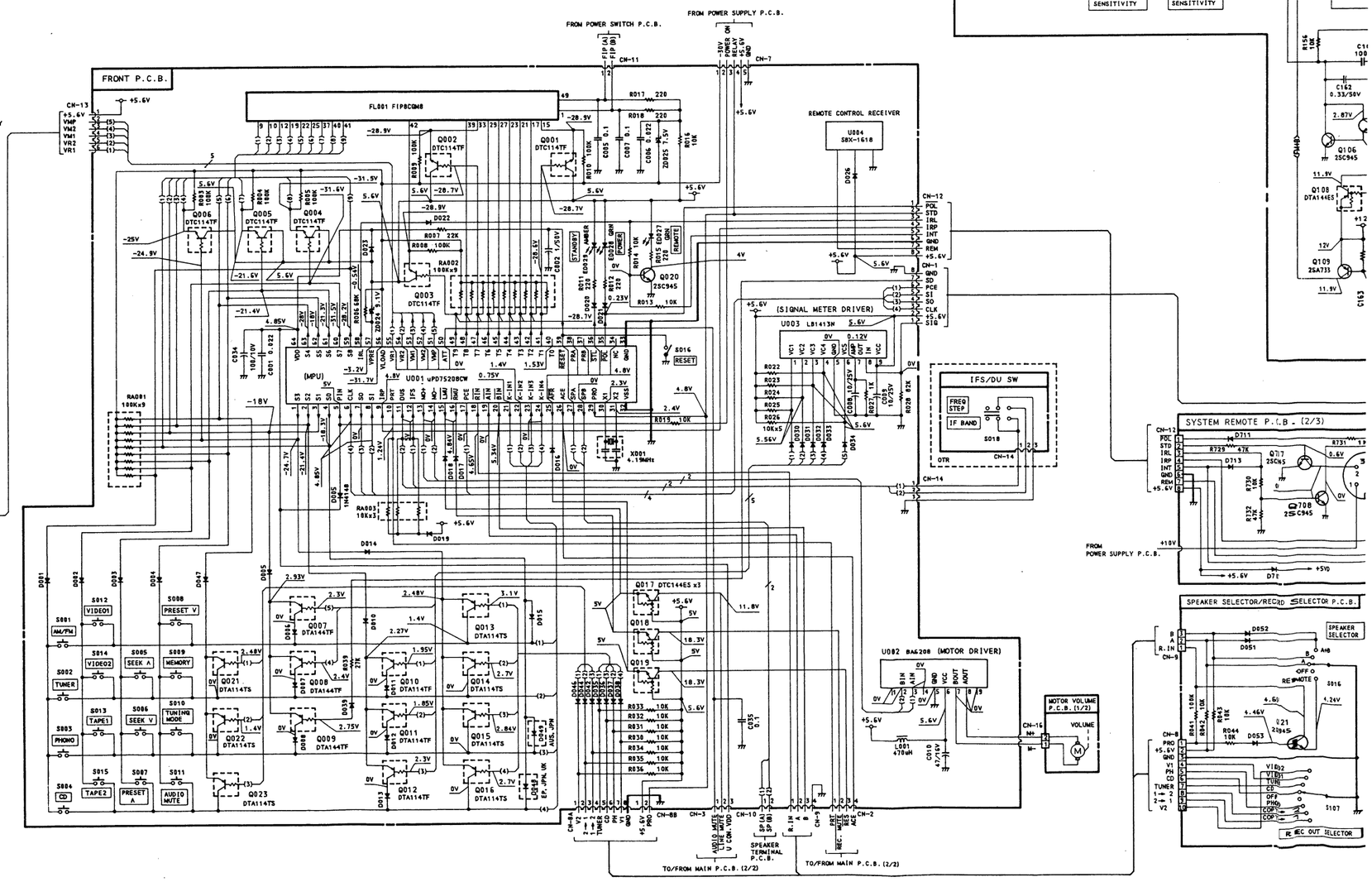
| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| C142 | 0B40836A | CE 4.7 50V |
| C143 | 0B09291A | CC 0.022 50V Z |
| C144 | 0B40836A | CE 4.7 50V |
| C145,146 | 0B09291A | CC 0.022 50V Z |
| C147 | 0B09290A | CC 0.01 50V Z |
| C149 | 0B09148A | CE 10 25V (LN) |
| C150 | 0B05682A | CML 0.068 50V Z |
| C151 | 0B01405A | CE 1 50V |
| C152,153 | 0B01674A | CE 10 25V |
| C154 | 0B01405A | CE 1 50V |
| C155 | 0B09291A | CC 0.022 50V Z |
| C157 | 0B05796A | CML 0.047 50V J |
| C158 | 0B09287A | CC 680P 50V K |
| C159 | 0B40832A | CE 0.22 50V |
| C160 | 0B01405A | CE 1 50V |
| C161 | 0B09288A | CC 1000P 50V K |
| C162 | 0B40833A | CE 0.33 50V |
| C163 | 0B40103A | CE 47 35V |
| C164,165 | 0B09793A | CC 30P 50V J |
| C166 | 0B09291A | CC 0.022 50V Z |
| C167 | 0B01403A | CE 47 16V |
| C168 | 0B09292A | CC 0.1 50V Z |
| C169 | 0B01405A | CE 1 50V |
| C170 | 0B09291A | CC 0.022 50V Z |
| C171 | 0B01403A | CE 47 16V |
| C172 | 0B01863A | CE 3.3 50V |
| C173 | 0B09291A | CC 0.022 50V Z |
| C174 | 0B41933A | CC 15P 50V J |
| C175 | 0B09292A | CC 0.1 50V Z |
| C177 | 0B40832A | CE 0.22 50V |
| C181L,R | 0B41921A | CSP 560P 50V J |
| C182L,R | 0B09148A | CE 10 25V (LN) |
| C184L,R | 0B09148A | CE 10 25V (LN) |
| C201L,R | 0B41201A | CPP 100P 100V J |
| C202L,R | 0B09223A | CE 1 50V (LN) |
| C204L,R | 0B09148A | CE 10 25V (LN) |
| C205L,R | 0B41141A | CPP 4700P 100V G |
| C206L,R | 0B41129A | CPP 1500P 100V G |
| C207L,R | 0B41117A | CPP 470P 100V G |
| C208L,R | 0B41105A | CPP 150P 100V G |
| C209L,R | 0B09223A | CE 1 50V (LN) |
| C219L,R | 0B09322A | CPP 330P 100V J |
| C220L,R | 0B41378A | CML 0.39 50V J |
| C221L,R | 0B41735A | CC 100P 50V J |
| C222L,R | 0B41907A | CC 47P 50V J |
| C223L,R | 0B09333A | CE 4.7 50V (LN) |
| C224L,R | 0B09332A | CE 2.2 50V (LN) |
| C232 | 0B40079A | CE 220 16V |
| C234 | 0B01780A | CML 0.1 50V J |
| C237L,R | 0B41894A | CSP 100P 50V J |
| C301L,R | 0B05796A | CML 0.047 50V J |
| C302L,R | 0B09333A | CE 4.7 50V (LN) |
| C305L,R | 0B05550A | CML 1000P 50V J |
| C306L,R | 0B05796A | CML 0.047 50V J |
| C307L,R | 0B40078A | CE 100 16V |
| C308L,R | 0B47198A | CC 10P 50V J |
| C309L,R | 0B05914A | CML 0.15 50V J |
| C310L,R | 0B41894A | CSP 100P 100V J |
| C311L,R | 0B09292A | CC 0.1 50V Z |
| C313L,R | 0B40131A | CE 100 63V |
| C314L,R | 0B40131A | CE 100 63V |
| C315 | 0B40250A | CE 100 16V (BP) |
| C316 | 0B01405A | CE 1.0 50V |
| C317 | 0B40818A | CE 0.1 50V |
| C318 | 0B01400A | CE 100 16V |
| C319,320 | 0B09292A | CC 0.1 50V Z |
| C321,322 | 0B01780A | CML 0.1 50V J |
| C323L,R | 0B41907A | CC 47P 50V J |
| RY301 | 0B90279A | Relay DS2Y-S-DC24V |
| FE101 | 0B91027A | FM Front-End FE415-A03 |
| S201 | 0L00009A | Push Switch |
| CN1 | 0B81765A | 8P T-Post |
| CN2 | 0B81761A | 4P T-Post |
| CN3,4 | 0B81760A | 3P T-Post |

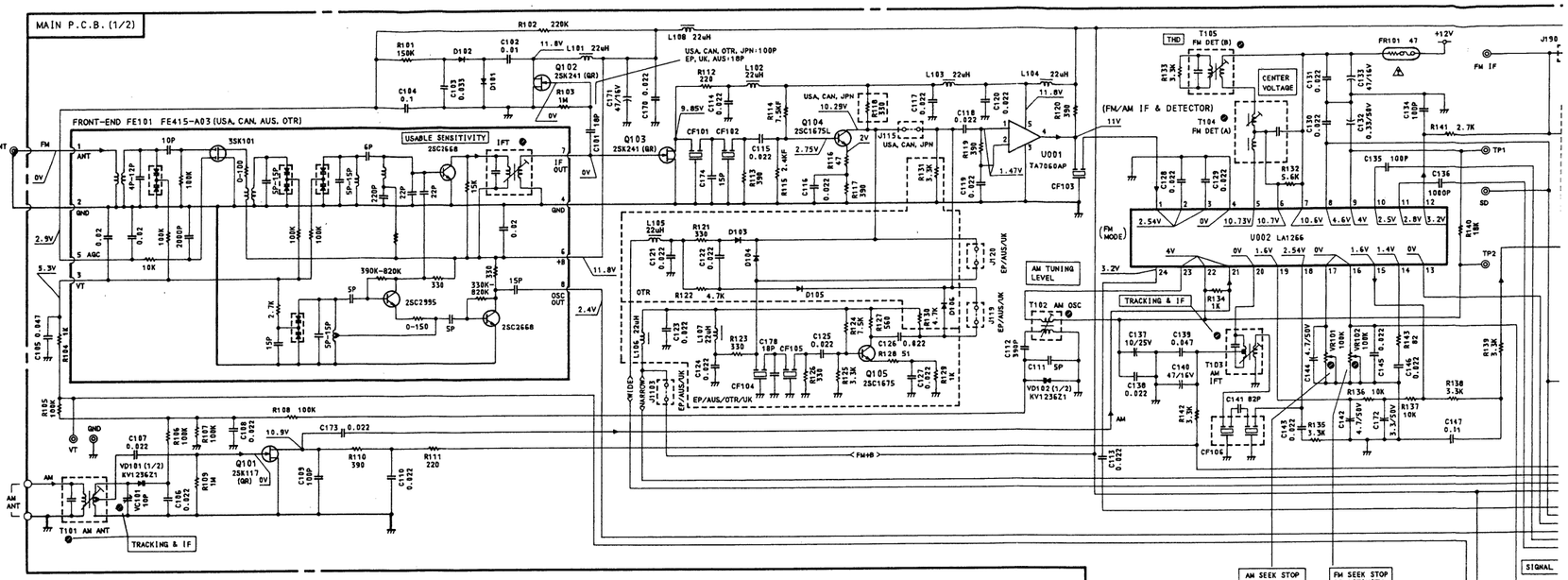
| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| CN5 | 0B81759A | 2P T-Post |
| CN6 | 0B81975A | 2P T-Post |
| CN14 | 0B81763A | 6P T-Post |
| CN15 | 0B81760A | 3P T-Post |
| CN21 | 0L00014A | 3P Connector Ass'y |
| CN22 | 0L00015A | 4P Connector Ass'y |
| CN23 | 0L00016A | 5P Connector Ass'y |
| | 0B81981A | 4P Pin Jack (5) |
| | 0C85443A | 2P Antenna Terminal (1) |

# 4. SCHEMATIC DIAGRAM

## (1) Tuner Section

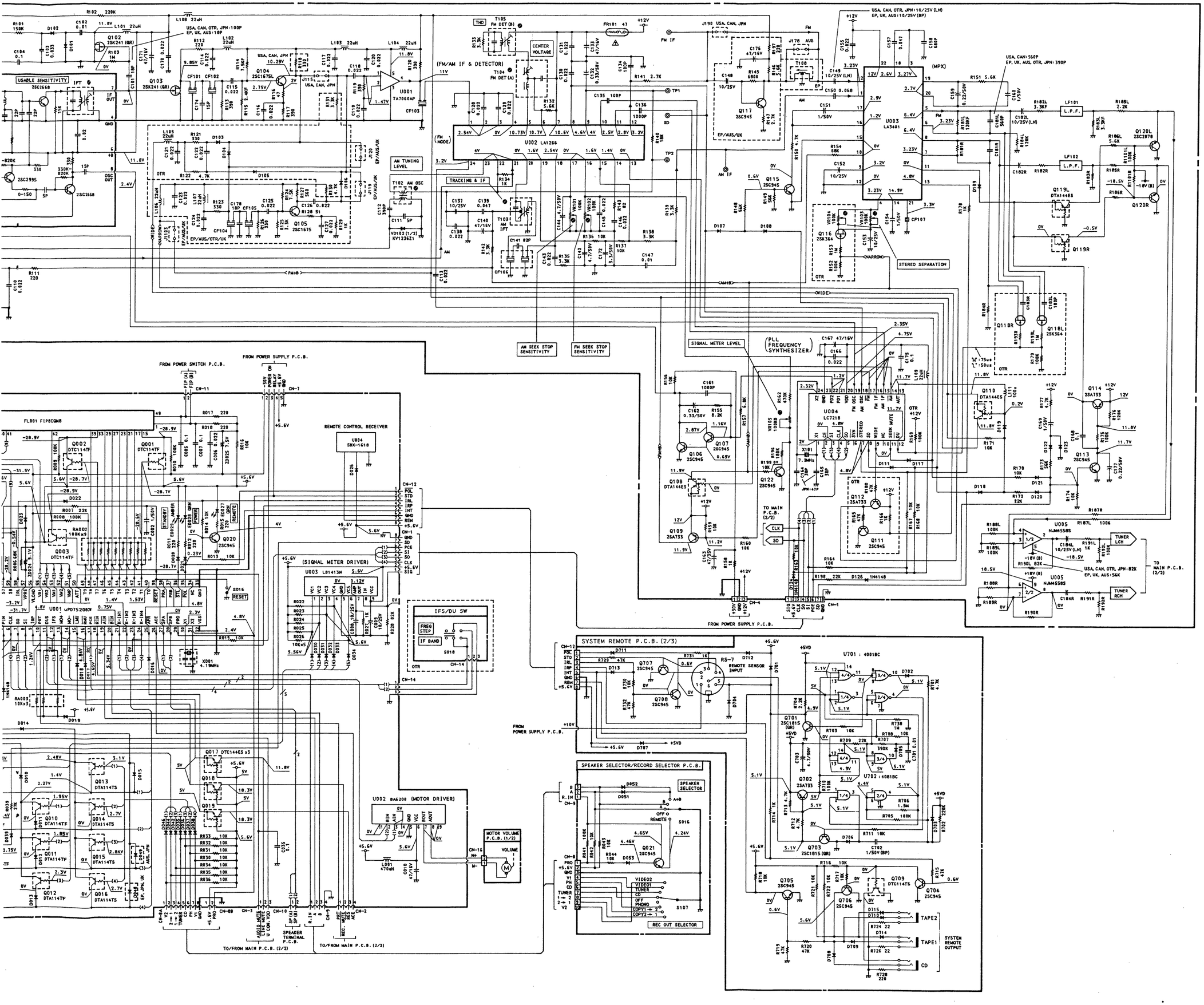


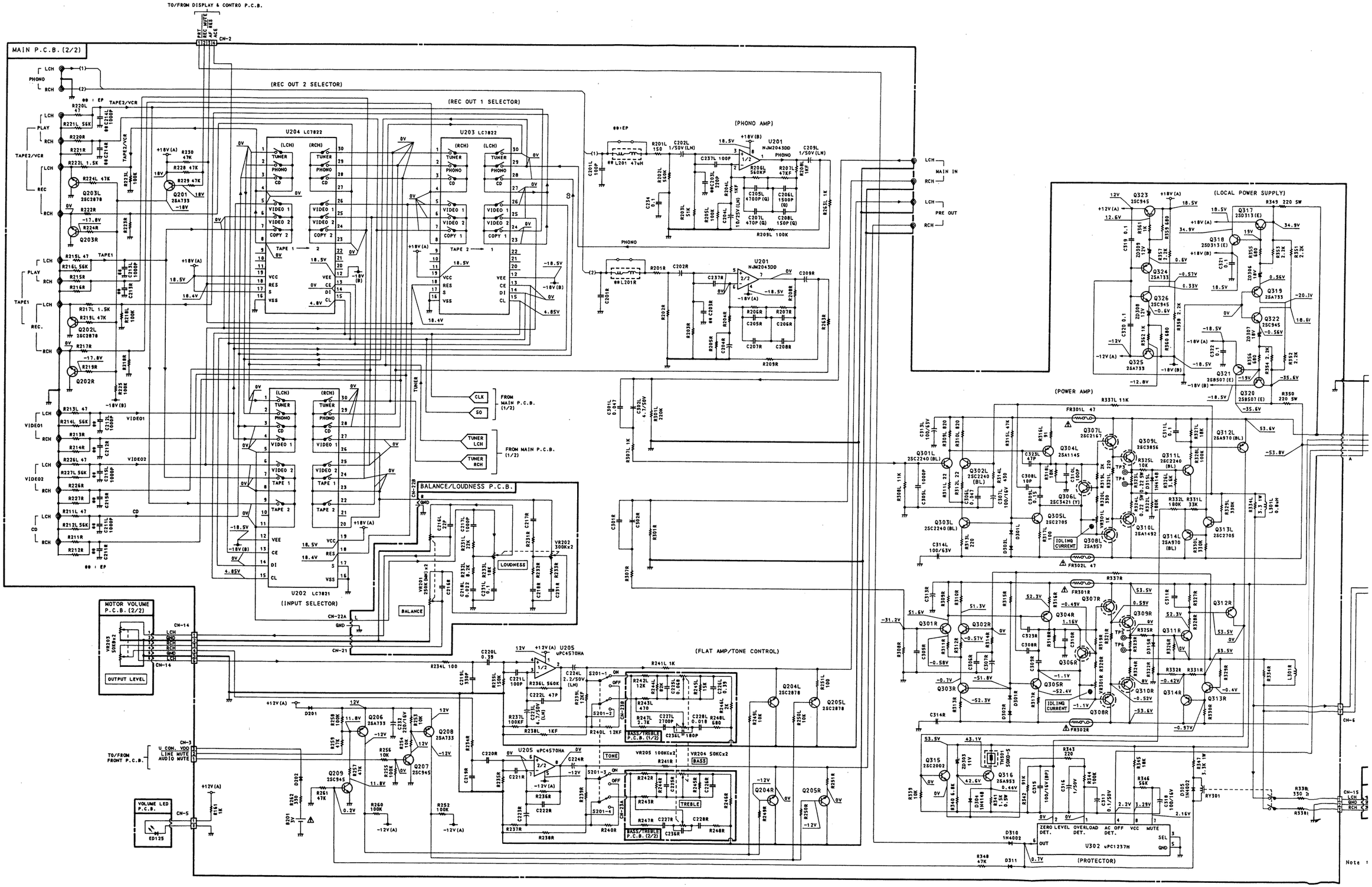



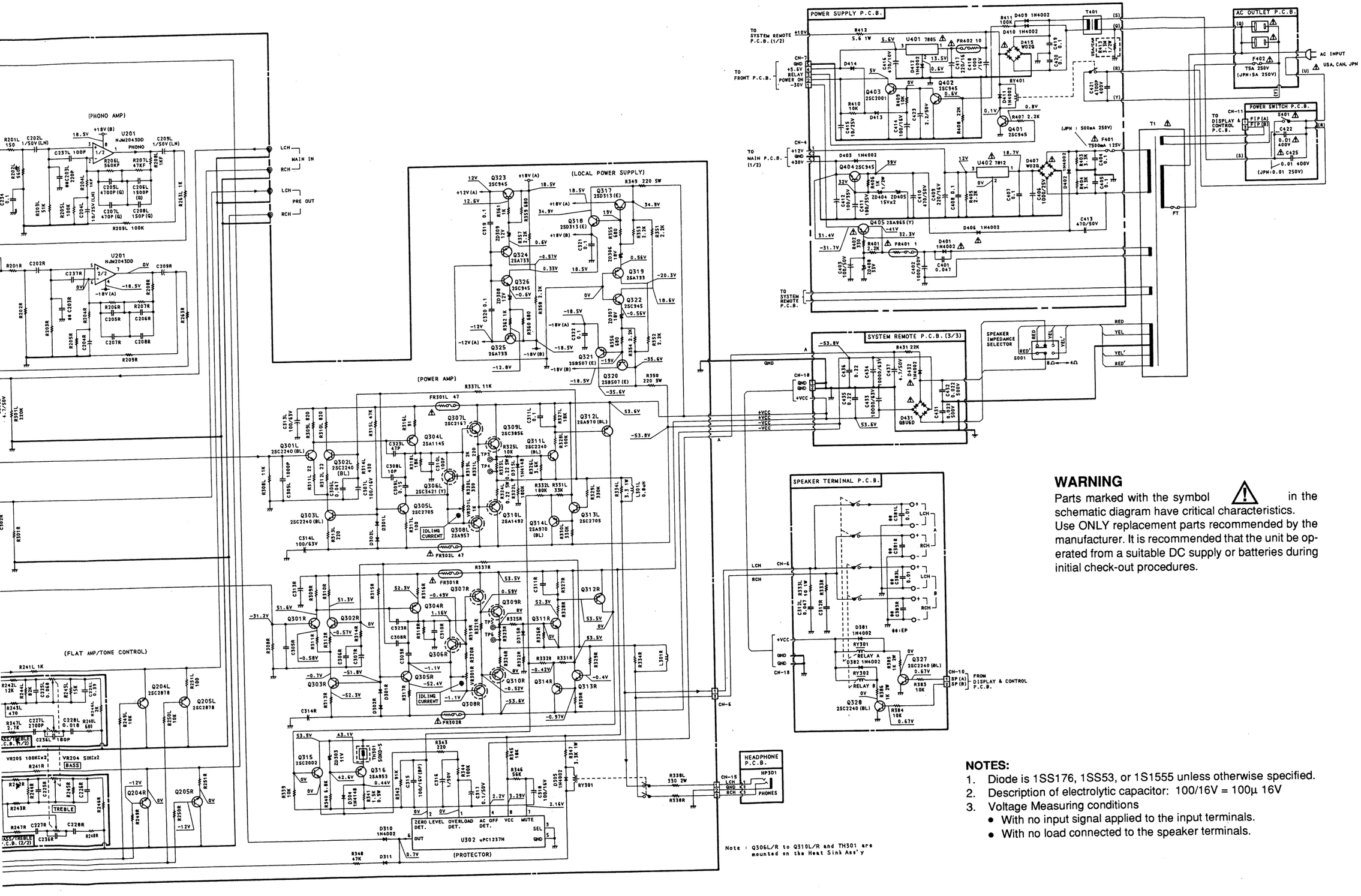

**NOTES:**

1. Diode is 1SS176, 1SS53, or 1S1555 unless otherwise specified.
2. Description of electrolytic capacitor: 100/16V = 100μ 16V
3. Voltage Measuring conditions
   - With no input signal applied to the input terminals.
   - With no load connected to the speaker terminals.


(FM/AM IF & DETECTOR)
U002 LA1266
U003 LA3401
U004 LC7218
U001 TA7060AP
U001 μPD75208CW
U003 LB1413M
U002 BA6208 (MOTOR DRIVER)
U701 : 4081BC
U702 : 4081BC
U005 NJM5585
(PLL FREQUENCY SYNTHESIZER)
(MPX)
TRACKING & IF
AM TUNING LEVEL
SIGNAL METER LEVEL
AM SEEK STOP SENSITIVITY
FM SEEK STOP SENSITIVITY
STEREO SEPARATION
USABLE SENSITIVITY
(SIGNAL METER DRIVER)
IFS/DU SW
SPEAKER SELECTOR
REC OUT SELECTOR
REMOTE SENSOR INPUT
SYSTEM REMOTE OUTPUT
SYSTEM REMOTE P.C.B. (2/3)
SPEAKER SELECTOR/RECORD SELECTOR P.C.B.
MOTOR VOLUME P.C.B. (1/2)
FROM POWER SUPPLY P.C.B.
FROM POWER SWITCH P.C.B.
REMOTE CONTROL RECEIVER
TO MAIN P.C.B. (2/2)
TO/FROM MAIN P.C.B. (2/2)
SPEAKER TERMINAL P.C.B.
USA, CAN, OTR, JPN: 10/25V (LN)
EP, UK, AUS: 10/25V (BP)
USA, CAN: 560P
EP, UK, AUS, OTR, JPN: 390P
USA, CAN, OTR, JPN: 82K
EP, UK, AUS: 56K
USA, CAN, OTR, JPN: 100P
EP, UK, AUS: 18P
USA, CAN, JPN
FM IF
AM IF
FM
AM
WIDE
NARROW
OTR
EP/AUS/UK
TAPE2
TAPE1
CD

## (2) Amplifier Section






## WARNING

Parts marked with the symbol ⚠ in the schematic diagram have critical characteristics. Use ONLY replacement parts recommended by the manufacturer. It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

**NOTES:**

1. Diode is 1SS176, 1SS53, or 1S1555 unless otherwise specified.
2. Description of electrolytic capacitor: 100/16V = 100μ 16V
3. Voltage Measuring conditions
   - With no input signal applied to the input terminals.
   - With no load connected to the speaker terminals.